Quinquennial Review of Forest Administration in British India

for the periods

1914-1918 to 1918-19 & 1919-20 to 1923-24

and

The Annual Returns of Forest Statistics

for the years

1918-19 to 1926-27

(includes maps)

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QUINQUENNIAL REVIEW

OF

FOREST ADMINISTRATION

IN

BRITISH INDIA

FOR THE PERIODS

1914-15 to 1918-19 & 1919-20 to 1923-24

TO WHICH IS APPENDED 134398

THE ANNUAL RETURN OF FOREST STATISTICS

FOR THE YEARS

1918-19. to 1923-27

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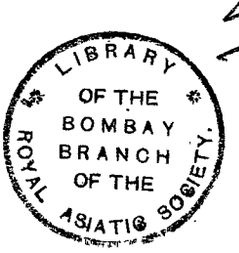

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No. 1450.

GOVERNMENT OF INDIA.

DEPARTMENT OF REVENUE AND AGRICULTURE.

FORESTS.

Delhi, the 29th November 1920.

The following review of Forest Administration in British India during the five years ending the 30th June 1919 is published for general information.

The quinquennium under review synchronised with the world wide war which has naturally not been without its effect upon the administration of India's forests. The inevitable cessation of recruitment to the upper branch of the department, the absence of officers on military service and the pre-occupations of a depleted staff, called upon to meet demands outside the scope of their ordinary duties, have necessarily operated adversely on development. On the other hand, the new demands created by the war for timber and other products have disclosed new sources of supply and indicated further lines on which development is possible.

Constitution of the Forests.

Forest areas.

2. At the close of the period the forest areas in British India, including the Shan States, amounted to 251,468 square miles, of which 101,639 square miles are reserved, 8,557 square miles protected, and 141,272 unclassed state forests, the whole representing 23·3 per cent. of the total area of British India (with the Shan States), or taking into account only reserved and protected forests, 12 per cent. The total given does not correctly represent the total area of forest bearing land, for whereas in some provinces the whole of the Government waste lands are included in the unclassed state forests, this practice is not followed universally. While the total area of all classes of forest shows a net increase of 5,856 square miles, considerable areas in the Punjab and Assam were disforested in the period to permit of the extension of cultivation and for other purposes. The area under the control of the Forest Department in the United Provinces increased by 18 per cent. though even so the forest area in this province amounts to only 7 per cent. of the total area. In future the variation, at any rate as regards reserved and protected forest, is not likely to be great.

In some provinces the percentage of land under forest can hardly be considered as sufficient. But though the alienation of part of the unclassed areas must be contemplated, the general average, while less than is considered necessary in European countries and though raised considerably by the 64 per cent. of Burma, the 70 per cent. of the Andamans, the 45 per cent. of Assam and the 33 per cent. of Coorg, is not inconsiderable. The unequal distribution of forest bearing areas in the different provinces results in difficulty being experienced in many localities in the obtaining of essential forest products by the population. To the poorer classes and the cultivator fuel and small timber are a prime necessity and it is no comfort to these people to know that these articles are procurable easily, and for next to nothing, hundreds of miles away. The remedy must ultimately lie in the formation by the State of forests in the midst of the more densely populated tracts, for the State cannot be content with concerning itself with the preservation of forests required for climatic reasons, for the protection of water sources, or for the production of valuable timber.

Forest surveys.

3. The areas surveyed by the Survey of India amounted to 6,935 square miles, principally on the scale of 2″=1 mile, and 725 sheets were published. The cost debited to the Forest Department on account of mapping, publishing, special surveys, etc., amounted to Rs. 1,96,781.

Organisatio

Administration and contro.

4. Except for a short period spent on leave, during which Mr. P. H. Clutterbuck, C.I.E., C.B.E., acted in his place, Sir George Hart, K.B.E., C.I.E., continued to fill the appointment of Inspector General of Forests. He visited forests in all provinces

with the exception of the North-West Frontier Province, Baluchistan and Ajmer and advised local Governments on matters connectedwith the administration and management of their forest properties.

During the quinquennium appointments of Chief Conservators of Forests were filled, or created, in Bombay, the United Provinces and Madras so that the Department is now under the control of officers of this class in most of the principal provinces.

Board of Forestry.

5. The Board of Forestry, composed of Chief Conservators, Conservators and other forest officers representing the different provinces, met at Dehra Dun in 1916 and 1919. The value of these meetings in respect of forest education, the furtherance of research and the general development of the Department fully justifies the decision of 1910 to constitute this Board.

Recruitment and training.

(a) Imperial service.

6. There was no change in the method of recruitment and training, but recruitment practically came to a standstill with the outbreak of the war and shortly after the armistice special regulations were framed for the recruitment in England and India of officers and men who had served in the war. The proposals of the Public Services Commission in respect of the introduction of recruitment in India and the promotion of Provincial service officers to listed posts in the Imperial service came under consideration during the quinquennium, but final conclusions were not reached till after the close of the period.

(b) Provincial service.

The only change in the methods of recruitment and training was the withdrawal of the restriction previouly placed on the number of Forest Rangers who might be promoted to the Provincial service, so that local Governments are now at liberty to fill any number of the vacancies in their Provincial service in this manner. Though direct recruitment has produced a number of good officers it is to be feared that the standard of the average candidate obtained is still not up to that required. Residential quarters, a club for the students and a playing field have now been provided at Dehra Dun.

(c) Subordinate service.

In the last review the desirability of decentralizing the training of rangers was noticed. The financial stringency caused by the war has prevented the completion of this scheme. Nevertheless, considerable progress has been made and with the commencement of local training in the Bombay Presidency it is hoped that the Central Government will soon be able to free itself of responsibility for the Dehra Dun Rangers College.

Strength of the staff.

7. Standing at 214 at the beginning of the period the sanctioned strength of the Imperial service increased to 259, though the actual strength at the end of the period amounted to only 217 against 237 at the commencement. Against 73 in the previous 5 years only 15 recruits were appointed during the quinquennium and of these several, who were under training on the outbreak of the war, did not join their appointments until after its conclusion.

The increased demand for timber and other forest products brought about by war conditions has undoubtedly greatly stimulated forest development in the Indian Empire, and large schemes of re-organisation are under consideration. Circles and divisional charges must be divided if development is to proceed, while it is also necessary to provide special posts for utilization, working plans and research work in the provinces, as well as to augment largely the staff of the Central Research Institute. It is to be feared, however, that some time must elapse before the men to fill the new posts can be provided and, owing to the time taken to train recruits, immediate recovery even in respect of the present sanctioned staff is impossible. Since the armistice every effort has been made to obtain recruits, in England under the ordinary regulations, both in England and India under special regulations referred to previously, and quite recently of Indians in India. It is to be regretted, however, that these efforts have not been as sucessful as was hoped.

The sanctioned strength of the Provincial service has increased from 213 to 265 and the number actually employed from 197 to 254, the latter figure including 28 probationary Extra Assistant Conservators of Forests. There have also been increases in the ranger, other subordinate, and clerical establishments.

Exclusive of officers placed on special duty in connection with work of military importance, 70 officers of the Imperial service and 13 of the Provincial service were

permitted to join the forces. Of these the loss of 8 officers either in action, or as a result of wounds, or of sickness developed while on military service, has to be deplored.

Forest Engineering Service.

8. In 1915 Mr. F. A. Leete, now Chief Conservator of Forests, Burma, was deputed to America and Canada to study the methods of lumbering practised in those countries as well as various wood working industries, while subsequently Mr. R. S. Pearson was similarly deputed to investigate the methods of economic forest research practised in the same countries. The reports furnished by these officers are likely to be of far reaching importance in the development of forest areas from which extraction has been found impossible, or at any rate very difficult, in the past and in the more intensive utilization of indigenous timbers. As a result of Mr. Leete's studies it was decided to engage temporarily two advisory consulting Forest Engineers from America, while proposals were formulated towards the close of the quinquennium for the formation of a regular Forest Engineering service. The recruits to this service are required to possess engineering qualifications and to go through a course of special training in America and Canada before entering upon their duties in India.

Conservation and Improvement.

Fire protection

9. By the end of quinquennium the area over which special protection was attempted had decreased by nearly 9 per cent., increases in some provinces being set off by reductions in Burma from 4,548 square miles to 1,347 square miles, and in Assam from 1,440 square miles to 162 square miles. The average success, 95·5 per cent. of the area attempted, has been a little better than in the previous quinquennium, though the reliability of the figures supplied is often open to doubt, and the nature of the season has, more often than not, more to do with the measure of failure or success than the protective methods adopted. The difficulties of ensuring that lines shall be properly cleared and burnt within the short time so often available for the purpose, in obtaining effective patrolling, in securing labour to extinguish fires in unpopulated and hilly tracts of country and in inducing the co-operation of the people, who for centuries have been accustomed to burn to obtain fresh pasturage, render the problem of protection a most intricate one, particularly when it is remembered that one ill-disposed individual may, without running the slightest chance of detection, burn many thousands of acres by a single act of incendiarism. The absence of loss of life and private property, which so often occurs in forest fires in North America, leads to little attention being paid by the public to forest fires in India and until some public interest on the subject is awakened it is difficult to see how there can be any real improvement.

The question of the abandonment of fire protection was discussed in some detail in the review for the quinquennium ending 1913-14. It only remains to add that there is a steadily increasing tendency to abandon protection in moist forests and those in which it is liable to foster a growth of trees and shrubs inimical to the regeneration of the principal and more valuable species, or to adopt the method of early burning in areas where fires are particularly dangerous and destructive, or where the growing stock is of insufficient value to justify complete protection. That rigid and perpetual fire protection in many moist tropical forest areas is not only a waste of money, but absolutely inimical to the regeneration, and in some cases to the very existence of the more valuable species, admits of no doubt. On the other hand it seems desirable to sound a note of warning and again to draw attention to the fact that in many types of forest the improvement which has occurred in the growing stock since the areas came under the management of the Department is due mainly, if not entirely, to successful fire protection. All localities cannot be subjected to the same treatment and there is evidence, in some places, of a tendency to abandon fire protection to an extent that can hardly be considered justifiable. Fire may, and in many cases must, be used to obtain satisfactory regeneration : but once the young crop is established the advantage, even in moist forests, would seem to lie with protection, unless, when the necessary stage in growth has been reached, occasional, or perhaps even annual, firing is necessary in order to diminish the risk of insect pests, or to prevent a too luxuriant evergreen undergrowth leading to excessive moisture in the soil and the encouragement of dangerous fungoid disease.

Grazing.

10. In the last year of the quinquennium State forests of all classes provided grazing for over 13,316 000 animals, of which no fewer than 5,316.000 grazed free. The figures for 1913-14 were 14,776,000 (with 4,617,000 free) and for 1909-10,

13,486,000 (with 3,817,000 free). That a very severe burden is thrown upon the forests of the country is thus obvious and in noting that the average incidence is some 12 acres for each animal it must not be forgotten that a considerable proportion of the forest area is, owing either to its inaccessibility or to its bearing no grass, not grazed over at all; while in some provinces, notably Burma, the number of cattle frequenting the forests is comparatively small. Grazing, particularly of sheep and goats, and the growing of forest crops on the same areas are often incompatible objects, though it is true that over considerable areas grazing is and must be considered to be the principal object of management. There is little in the figures quoted to indicate that the disadvantages of communal grazing, and the value of stall feeding, are becoming better realized by the community and it is to be feared that forests and cattle will suffer alike until it has been possible to devise some effective means of restricting the number of animals admitted to State forests, which will operate to bring about the desired end in a gradual manner and without sudden and complete dislocation of the practice of centuries. A matter for satisfaction is the reduction in the number of goats and sheep admitted to the forests. Standing at 4,719,000 in 1913-14 the figure for 1918-19 was 3,497,000.

Afforestation and Plantations.

11. Particular attention has been paid in the United Provinces to the important work of afforesting denuded ravine lands. The results obtained are sufficient to show that success can be assured at an average cost of about Rs. 50 per acre and though this expenditure may not generally give a large return in revenue, the indirect effects in providing reserves of grass in times of scarcity and fuel in tracts where no forests exist cannot fail to be very beneficial. It is possible that much might be done with advantage in the same direction in other provinces.

Apart from the extension of irrigated plantations in the Punjab plains it is to be noted that the quinquennium has shown a striking advance in the attention paid to artificial regeneration, either as an aid to natural regeneration, as in the coniferous forests of the Punjab hills, or with the object of securing the complete and speedy formation of young crops, rich in valuable species, on clear-felled areas, as in the sal and miscellaneous forests in Bengal and the mixed teak forests in Burma. In both these latter provinces, and indeed elsewhere also, the employment of the "taungya" method of raising forest in combination with field crops is increasing rapidly and the taungya cutter, instead of being regarded as a positive danger, is now being encouraged to settle inside the forests, where his energies are directed to useful work instead of to destruction. This policy, due largely to the devoted labours of a few far sighted officers, met with considerable opposition at first: but it has come to stay, will extend steadily, and will result not only in assisting the introduction of intensive management, but in completely altering the erstwhile hostile relations between the department and the backward tribes who have practised shifting cultivation from time immemorial.

Exploitation and Commercial Development.

Communications and buildings.

12. The necessity for economy during the war is naturally reflected in the amounts spent under this head which fell from Rs. 18·16 lakhs in 1913-14 to Rs. 11·66 lakhs in 1915-16. Recovery then commenced and in the last year of the quinquennium no less a sum than Rs. 30·21 lakhs was spent on communications and buildings. That much remains to be done if the full resources of the forests are to be utilized needs no elaboration; development will necessitate considerable capital expenditure on roads, railways and tramways, as well as on mechanical methods of extraction, the possibilities of which are now being explored. Obviously, too, if executive, inspecting and subordinate officers are to keep their health, it is necessary that they should be adequately housed; this will be more and more essential as the introduction of intensive management progresses, for successful regeneration on these lines is impossible without constant inspection and attention during the rainy season, which cannot be carried out unless proper quarters are provided.

Outturn of Forest produce and agency of extraction.

13. The outturn of timber and firewood from all sources amounted to 343,851,000 cubic feet in 1918-19 as against 270,456,000 cubic feet in 1914-15 and 241,133,000 cubic feet in 1909-10, representing respectively 2·1, 1·7 and 1·5 cubic feet per acre of all classes of forests. For reserved forests only the yield in 1918-19 was 3·3 cubic feet per acre as against 3 cubic feet per acre five years previously. Satisfactory as the increase is, the present yield is far less than the forests of the country are capable of producing under more intensive systems of management and with the use of more up to date methods of extraction than exist at present.

In 1918-19 the ratio of timber extracted by Government agency to that removed by purchasers was as 7 is to 36 compared with a ratio of 7 to 81 five years previously. In the five years the outturn removed by the former method rose by 87 per cent. while that removed by the latter fell by 11 per cent: to some extent at any rate this change may be ascribed to the demand for timber for purposes connected with the war. Similarly, the quantity of firewood extracted by Government nearly doubled in the five years, that removed by purchasers also increasing though not to anything like the same extent.

Since the remarks made in paragraph 14 of the review for the previous quinquennium, on the subject of departmental *versus* purchasers agency, were written there has been a great advance in the direction of intensive management. In some cases, where, for instance, reliable firms cannot be induced to work on satisfactory terms or where products not commanding an established market are concerned, departmental working is clearly advisable; in others, where extraction is simple, labour fairly plentiful, purchasers numerous and markets certain, annual sales of standing trees meet all requirements. But, generally speaking, work on intensive lines, as well as the exploitation of areas hitherto regarded as inaccessible, will only be rendered possible by capital expenditure to a greater or less extent on improving communications, on mechanical means of extraction and on sawmills. Expenditure of this kind is out of the question under any system of short term leases or contracts. Consequently Government must either work its forests itself entirely, with perhaps the assistance of a commercial firm for the management of sawmills and the marketing of the outturn, which will certainly pay very well provided sufficient funds are forthcoming and sufficient staff is employed, or it must enter into long term agreements on a co-operative basis with substantial and reliable firms, ensuring for itself a fair share of the profits. Agreements of this kind could be arranged in various ways, which, however, cannot be detailed in this review. It will be sufficient to say that one or two projects of this kind are now under consideration and that some form of co-operation between Government and the timber trading firms will, it is believed, prove to be a satisfactory method of forest exploitation.

14. During the quinquennium Messrs. Martin and Company were appointed the agents of Government of India for the sale in Calcutta of timber worked out departmentally from the Andamans. The services of this firm are also at the disposal of any local Governments who desire to make use of them. Messrs. W. W. Howard Brothers and Company of London were similarly appointed sole agents for the sale of Government timber in Europe. Up to the close of the quinquennium both firms had handled Andamans timbers only and to a limited extent. But with the increase of shipping facilities and with the general demand for timber of good quality in England and on the continent, it may confidently be expected that surplus timber from India will be despatched to the London Agency in increasing quantities and that local Governments will be able to avail themselves of this opportunity of increasing their revenues and of finding a use for the many excellent woods hitherto considered of little value under Indian conditions of demand and climate. Both Agencies have made a good start in this direction and several timbers for which there was previously no demand whatever are now selling freely on the Calcutta market.

15.

Period ending June 30th.	Area under working plans at the end of last year of the period.	Increase during the quinquennium.
	Square miles	Square miles.
1889	912	..
1894	10,279	9,367
1899	21,620	11,341
1904	34,222	12,602
1909	48,104	13,882
1914	53,926	5,822
1919	60,670	6,744

In view of the shortage of staff during the period under review the progress made must be regarded as satisfactory. The amount of work in prospect in this direction is very great and is even more than would appear from a study of statement V of the return appended to this review ; for, in addition to areas for which no plans exist, it is certain that improved and concentrated methods of working will render imperative the revision of a very considerable proportion of the existing plans, while as it becomes possible to work the less accessible areas owing to increased demand and the introduction of better methods of extraction, it will be found that plans are necessary for a considerable part of the areas now exhibited as not requiring plans for the present. Recent re-organizations have made provision for special staff to deal with this most important subject, including Conservators to control the preparation of plans in Burma and the United Provinces, but it is to be feared that progress must be slow until the sanctioned cadres can be filled.

16.

System of Management. Method of treatment.	Area square miles.	Per cent. of total area under each method of treatment.	Area square miles.	Per cent. of total area under each method of treatment.	Area square miles.	Per cent. of total area under each method of treatment.
	1909-10.*		1913-14.*		1918-19.†	
Clear fellings by compartments ..	5	·014	14	·036	263	·496
Uniform system	184	·523	150	·387	552	1·039
Group System	1	·003	95	·245	95	·179
Selection method with improvement fellings.	11,700	33·228	15,802	40·759	15,914	29·968
Simple coppice	124	·352	161	·415	1,009	1·901
Coppice with standards	2,909	8·262	3,234½	8·342	7,060	13·295
Method of Improvement fellings ..	7,898	22·430	8,880	22·905	12,254	23 076
Unallotted (*a*)	12,390	35·188	10,432½	26·911	15,955	30·046
Total ..	35,211	100	38,769	100	53,102	100

(*a*) Includes forests for which working plans have been prepared, but which are not under any definite system of working, *e.g.*, unworkable areas (and those considered to be inaccessible) included in working plans, areas devoted to grazing, and so on.

*Excludes Madras and Bombay.

†Includes Madras but excludes Bombay.

The introduction of the Madras figures renders comparison with prevous period impossible ; but it may be stated that during the quinquennium under review, and omitting Madras, the areas worked under the methods of clear fellings increased from 14 to 228 square miles, those under the uniform method from 150 to 552 square miles and those under the method of improvement fellings from 8,880 to 11,136 square miles. On the other hand the areas worked under the selection method decreased from 15,802 to 14,971 square miles.

The increase in the areas under high forest systems involving concentrated regeneration fellings is gratifying. The provinces showing the greatest advance in this direction are Burma, the United Provinces, and the Punjab. The movement in the direction of more intensive management, which is greater indeed than shown by the figures quoted, as progress in Bengal is unrecorded though known to be considerable, is one which may be heartily commended.

17. **Financial results.**

Quinquennial period.	Gross revenue (average per annum.)	Expenditure (average per annum.)	Surplus (average per annum).	Percentage of surplus to gross revenue.
	Lakh.	Lakhs.	Lakhs.	
1864-65 to 1868-69	37·4	23·8	13·6	36·4
1869-70 to 1873-74	56·3	39·3	17·0	30·2
1874-75 to 1878-79	66·6	45·8	20·8	31·2
1879-80 to 1883-84	88·2	56·1	32·1	36·4
1884-85 to 1888-89	116·7	74·3	42·4	36·3
1889-90 to 1893-94	159·5	86·0	73·5	46·1
1894-95 to 1898-99	177·2	98·0	79·2	44·7
1899-1900 to 1903-04	196·6	112·7	83·9	42·7
1904-05 to 1908-09	257·0	141·0	116·0	45·1
1909-10 to 1913-14	296·0	163·7	132·3	44·7
1914-15 to 1918-19	371·3	211·1	160·0	43·1

The gross revenue and surplus were Rs. 333 lakhs and Rs. 157·6 lakhs, Rs. 468·2 lakhs and Rs. 179·4 lakhs, in 1913-14 and 1918-19 respectively. The first two years of the war showed considerable decreases in the surplus, which recovered in 1916-17, and reached Rs. 198·1 lakhs in 1917-18. Since the close of the quinquennium there has been a further large increase in both the revenue and the surplus. The surplus in 1918-19 represents an average of 1·8 annas per acre of all classes of forest (against 1·6 annas in 1913-14) the amounts varying from Rs. 1·2 in the North-West Frontier Province to ·9 annas in Assam. That far better results are possible admits of no doubt, but additional staff, as well as improved methods of working and the expenditure of capital, are necessary if these are to be shown and it is satisfactory to observe that this is being increasingly realised.

The sale cost of forest products has increased in India to a far less extent during recent years than that of other essentials. There has, of course, been a considerable rise in the value of the better classes of timber, but it may safely be said that the cost of firewood, small house-building timber and grazing has increased little, if at all, to the majority of the inhabitants of the country; again, in considering the financial results of the work of the Department, it must not be forgotten that over 5,000,000 head of cattle graze free of cost and that over 13 million cubic feet of wood, as well as bamboos and other minor produce to the value of over Rs. 3 lakhs, are given away annually. On all timber and firewood removed from all classes of forest by all agencies, the average price realised by the State amounts to only 1·5 annas per cubic foot.

As an example of the possibilities of industrial development in forest products, in this case carried out entirely by departmental agency, it is of interest to note that in five years the outturn of rosin and turpentine in the United Provinces and in the Punjab has risen from 31,881 maunds and 70,713 gallons to 63,698 maunds and 148,952 gallons, while the surplus revenue of the resin industry has increased from Rs. 70,000 to over Rs. 8 lakhs.

18. In the last review reference was made to the completion of the buildings for the Research Institute at Dehra Dun. Within five years the provision made for research, on which the utilization of the numerous products of the forest and consequently the expansion of industries and the revenues of the department so vitally depend, has been found to be entirely inadequate. Accordingly proposals were framed for greatly enlarging the scope of the staff employed at the Institute. These

Research.

General

proposals, which include the erection of new buildings on a much more extensive site, received the sanction of the Secretary of State after the close of the quinquennium.

Sylviculture.

19. Although the results of sylvicultural research are slow in appearing it can be safely said that the quinquennial period now under review has been a remarkable one. Problems have been attacked from a new point of view and the results have in some cases revolutionized previous ideas. Local Sylviculturists have been appointed in the United Provinces and in Burma, while similar appointments were made in Madras and Bengal shortly after the close of the quinquennium.

The problem of sal (*Shorea robusta*) regeneration, although still unsolved in many places, is not as obscure as it was. As yet no entirely satisfactory method of regeneration in localities subject to frost has been evolved, but matters have progressed greatly in districts where frost is not in evidence.

In the Gorakhpur division of the United Provinces a system of clear felling has been introduced, the idea being to get the area fully stocked with established seedlings before felling, so that the regeneration, though theoretically dependent upon the coppice shoot from a very young stool, is practically a seedling tree. Blanks are filled by root and shoot cuttings from nursery plants, though so far the success of this part of the work cannot, perhaps, be considered as established.

An even further departure from the accepted idea of sal regeneration has been the institution of clear felling with artificial regeneration in combination with field crops—usually dry paddy and cotton—in the Bengal terai and Duars. The results have been remarkable and this is now a recognised system well beyond the experimental stage.

In the Kulu division, Punjab, the work done on the regeneration of deodar (*Cedrus Deodara*) is also a marked step forward and the problem of securing satisfactory regeneration of this species, in areas where it is the predominating element in the original crop, is solved.

The general consensus of opinion in Burma is now in favour of the application to teak forests of concentrated regeneration fellings aiming at the creation of more or less uniform, though not necessarily pure, crops and working plans with this object are in course of compilation.

Mr. Troup's "Note on Pinus Longifolia," in addition to giving the sylviculture of the tree, contains a tentative yield table for crops. His "Note on some European Sylvicultural Systems with Suggestions for the Improvement of Indian Working Plans" has brought home the possibilities of applying more scientific methods to Indian forests. In addition Mr. Troup has been engaged for some time past on a work on Indian Sylviculture generally, which is to be published shortly in England.

During the quinquennium a great deal of attention has been devoted to the question of collecting statistics of the rates of growth and the progress of increments in crops. A large amount of work has been done though results must necessarily be slow in appearing. The difficulties encountered and the increasing interest taken in sylvicultural research led to a Conference at Dehra Dun in October 1918 at which the whole system of collecting and compiling statistics was reviewed and sound lines laid down for future work.

It is not possible to mention in detail the numerous experiments carried on throughout India with reference to artificial regeneration, but mention must again be made of the excellent results attained in the afforestation of ravine lands in Etawah—a detailed account of which is in the press. It was once said of Bengal that a smiling savannah had been turned into a howling wilderness of tea; in Etawah, a wilderness is being transformed into a smiling forest.

Forest economy.

20. In general it may be said that the result of the work of the economic section during the last few years has been to establish and consolidate definite relations with the commercial world. Such recognition of the value of the work of the Institute is most gratifying and has had a reactive influence in indicating lines of research for the future. The work of the section continues to expand and to cover a

very wide field of research—so much so, in fact, that it has been realised that the present staff is entirely inadequate to cope with the various branches of research, the necessity of which has been specially brought to light by the demands of industrial enterprise and development.

The antiseptic treatment of timber, so far as the method of treatment in open tanks is concerned, has been prosecuted to a definite conclusion, while considerable progress has also been made on treatment by the pressure process. This subject has now passed beyond the experimental stage and is being taken up by the Railway authorities.

The mechanical testing and examination of the physical properties and seasoning powers of Indian timbers has reached a stage necessitating the installation of up-to-date machinery and plant which has now been procured from America. Detailed experiments, embracing a large number of timbers and having for their object the determination of the best method of seasoning timber by natural means, have been conducted in various localities throughout India, and plant has also been secured for the study of artificial seasoning in drying kilns.

The examination of possible raw materials for the manufacture of paper pulp, comprising detailed surveys of possible areas in India and Burma, has resulted in the general acceptation of bamboo as a suitable raw material and in the grant of a number of leases in Burma, Bengal and elsewhere. The possibility of utilizing the extensive *savannah* grass areas in Assam and elsewhere for a similar purpose has also been recognized, a survey has been undertaken and the suitability of a number of grasses demonstrated. The question of the utilization of Indian timbers for special purposes came into great prominence during the war and important results have been attained in that it has now been found possible to utilize a large number of Indian timbers for a variety of purposes for which foreign timbers had been previously imported. The general effect of this has shown itself in an ever-increasing tendency to exploit and utilize, it is hoped to the gradual extinction of the import of timber, large numbers of indigenous species previously considered as of little or no use. Enquiries under this head have borne special reference to timbers for ordnance work, for aeroplane construction, for the manufacture of three-ply, for cooperage and for bobbins. So far as is known no Indian timber has yet been found which can be considered as really first class for aeroplane construction. But three-ply is now being made on a large scale in Assam and similarly work is being begun in Bengal. The cooperage and bobbin industries have recently received considerable attention and are being investigated on a commercial scale.

As regards minor forest products most important results have been attained in the investigation of the gum oleo-resin of *Boswellia serrata* (Salai) which are now materializing in the potential foundation of a new industry based on the production of turpentine from this product.

The investigation of the essential oil of Rosha grass (*Cymbopogon Martini*) has also been prosecuted to a definite conclusion in that the advantages of steam distillation have been clearly demonstrated, resulting in the development of an industry based on improved methods of production.

The timber and economic museums have received such material additions during recent years in the form of specimens and exhibits from all parts of India and Burma that the available space in the present Institute has become quite inadequate for their proper display.

Forest Botany.

21. The work of the Forest Botanist has been carried on mainly on the lines mentioned in the last quinquennial report. Considerable progress has been made under systematic botany in the preparation of local floras and descriptive lists and a local flora for the Punjab and two descriptive lists for the Central Provinces have already been published. In other provinces this work has been temporarily delayed owing to shortage of staff caused by the war. The Dehra Dun herbarium has been enriched by the addition of over 8,000 sheets and the botanical library has been considerably expanded.

Several genera of forest importance (*Dipterocarpus, Xylia, Grewia*) have been studied and a large number of specimens identified for forest officers and others. Incidentally this work has resulted in the discovery of several new species amongst which mention may be made of *Grewia Hainesiana, Hopea canarensis, Ixora Butterwickii* and *Tamarix Troupii.*

A museum collection showing specimens and illustrations under glass has been commenced with the object of disseminating information amongst forest officers and familiarising students and the general public with the appearance, characters and uses of the principal forest species of systematic and economic importance.

The study of forest grasses has been continued with the object of distinguishing species suitable for paper-pulp or otherwise economically valuable. The Indian species of the genus *Iseilema* have been critically studied and an improved method for exploiting Ulla grass (*Anthistiria gigantea*)for paper pulp has been inaugurated.

With regard to the œcology of Sal a method for working the Sal forests of Northern India has been elaborated by which, should it prove of practical application on a large scale, it is hoped the regeneration period will be considerably shortened.

The most important work in connection with the diseases of plants has been the study of the root disease of Sissoo (caused by *Fomes lucidus*) and of Sal (caused by *Polyporus Shoreae*) and the spike disease of sandal.

Forest Zoology.

22. During the past five years work was to some extent interfered with owing to the absence of the Forest Zoologist on special duty in Mesopotamia for more than a year, but on the whole the progress has been satisfactory.

A mass of material and records has been collected which shows the complexity of the insect-tree association and the need for prolonged investigation and collection of statistics. The institute collection has grown considerably and now contains about 8,000 species. A total of about 12,000 insect specimens are added to the collection each year, of which fully half are bred in the insectary at Dehra Dun. Ledger files are opened for insect species of economic importance, and there are now some 5,000 files. Card indices to Indian insect species, early stages food plants, pests of trees, literature, etc., are systematically maintained.

The Life-history of *Hypsipyla robusta* (the Toon shoot and fruit borer), a pest which has prevented the establishment of pure Toon plantations in the past, has been studied. Control measures have been worked out and tested, and the growing of Toon is now considered to be a practical possibility.

The heartwood borers of Sal and Teak have been studied. The conditions under which the Sal heartwood borer, *Hoplocerambyx spinicornis*, attacks as (1) a primary pest and (2) a secondary factor, have been the subject of much work, and remedial measures have been proposed for certain localities in which they are specially required. The Beehole-borer, *Duomitus ceramicus*, has been investigated and methods have been devised for the collection of statistical data, which are essential to the determination of its œcology.

An enquiry is in progress to discover the defoliators of Teak and the effect of defoliation on the annual increment. Preliminary work shows that defoliation is not to be assigned so largely to the two species *Hybloea puera* and *Pyrausta machaeralis* as has been supposed. The enquiry involves the study of a complex association of insects and their alternative food plants, and is likely to be prolonged.

The museum has grown very considerably since its transference to the Research Institute buildings. All the original exhibits have been replaced by better specimens and a reference collection for students has been provided. The institute is much indebted to Forest officers for the loan or gifts of trophies and skins.

The present library is not complete, but deficiencies are met to some extent by literature got on loan from other libraries in India.

During the quinquennial period three records and one bulletin have been published and many articles have appeared in the *Indian Forester*. Much of the early work in Forest Entomology has been revised and its errors corrected.

23. The most important investigation has been connected with the gum oleo-resin from *Boswellia serrata*. This oleo-resin yields a high grade turpentine in addition to a gum and rosin. The preliminary experiments made at Dehra Dun have been confirmed and amplified at the Indian Institute of Science by Dr. Fowler and the commercial development of the distillation is likely to be undertaken in the near future by a firm in Bombay.

Forest Chemistry.

The turpentine from *Pinus longifolia* has been subjected to a detailed examination. This has resulted in the isolation of a new terpene, *carene*, and a new sesquiterpene, *longifolene*. The terpene *carene* is the cause of the rapid oxidation of the turpentine. A full account of the work is now in the press.

Work on the distillation of camphor from leaves grown in the sylvicultural garden at Kaunli has been continued. The results are now being tabulated and analysed.

Charcoal briquettes have been made in collaboration with the Forest Economist, a natural gum being used as the binding material.

24. In brief it may be said that the history of the five years under review is one of reasonably rapid progress under seriously adverse conditions imposed by the war, yet receiving from those very conditions a strong impetus towards the commercial and industrial development of India's enormous forest wealth as a means not only of helping her own progress but also of increasing the resources of the Empire. It is to be regretted that the Forest Department has, in comparison with certain other departments, proved to possess little attraction for the best indigenous talent, but service in this department offers to Indians, whether as scientists or as administrators, a career the advantages and usefulness of which are not yet fully realised. **Conclusion.**

J. HULLAH,

Secretary to the Government of India.

ANNUAL RETURN

OF

STATISTICS

RELATING TO

FOREST ADMINISTRATION

IN

BRITISH INDIA.

1918-19.

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STATEMENT I.

Area of forests under the control of the Forest Department.

Province. Name.	Area in square miles.	Forest area in square miles. Reserved.	Protected.	Unclassed State.	Total.	Percentage of forests to whole area of Province.	Remarks.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Bengal	78,836	(a) 4,888	(b) 1,711	4,030	10,629	13·5	
United Provinces ..	106,725	(c) 6,311	1,101	61	7,473	7·0	
Punjab	96,650	(d) 2,109	(e) 4,169	(f) 767	7,045	7·3	
Burma	*226,911	29,336	..	116,829	146,165	64·4	
Bihar and Orissa ..	82,484	1,747	(g) 1,089	..	2,836	3·4	
Assam	48,954	5,495	..	16,309	21,804	44·5	
Central Provinces (including Berar).	99,948	(h) 19,645	..	..	19,645	19·7	
Coorg	1,582	520	..	..	520	32·9	
North-West Frontier Province.	13,184	(i) 236	(j)	..	236	1·8	
Ajmer	2,767	142	(k)	..	142	5·1	
Baluchistan (portions under British Administration).	†54,228	313	..	472	785	1·4	
Andamans and Nicobars	†3,143	85	..	2,122	2,207	70·2	
Madras	142,218	18,712	..	(l) 682	19,394	13·6	
Bombay (including Sind)	123,164	(m) 12,100	(m) 487	..	12,587	10·2	
Total 1918-19 ..	1,080,794‡	101,639	8,557	141,272	251,468	23·3	
„ 1917-18 ..	1,080,650§	101,233	8,752	141,527	251,512	23·3	
„ 1916-17 ..	1,078,585‖	100,308	9,140	137,131	246,579	2·9	
„ 1915-16 ..	1,079,481‖	99,205	9,712	140,083	249,000	23·100	
„ 1914-15 ..	1,079,149¶	97,580	10,405	141,882	249,867	23·15	

(a) Excludes 18 square miles of reserved forests not under the management of the Forest Department.
(b) Excludes 54 square miles not under the control of the Forest Department.
(c) Includes 157 square miles of leased forests.
(d) Includes 361 square miles of leased forests, but excludes 111 square miles of reserved forests not under the control of the Forest Department.
(e) Excludes 64 square miles not under the control of the Forest Department.
(f) Excludes 54 square miles not under the control of the Forest Department.
(g) Excludes 965 square miles not under the control of the Forest Department.
(h) Excludes 23 square miles not under the control of the Forest Department.
(i) Excludes 14 square miles of military and civil reserved forests.
(j) 121 square miles of civil protected forests are not shown.
(k) There are only 115 acres of protected forests in Ajmer.
(l) Reserved lands.
(m) Excludes forests in charge of the Revenue Department.
*Including 54,728 square miles for the Shan States.
†Repeated from the Census report of 1911.
‡Excludes 576 square miles for the Delhi Province and 49 square miles for the British Pargana of Manpur (Central India).
§Excludes 575 square miles for the Delhi Province and 49 square miles for the British Pargana of Manpur (Central India).
‖Excludes 573 square miles for the Delhi Province and 25 square miles for the British Pargana of Manpur (Central India).
¶Includes the area of the Shan States, 54,728 square miles. The forests of these States are under the control of the Forest Department.

STATEMENT II.

Progress made in Forest Settlements during the year 1918-19.

Province.	Forest Division.	Civil district or territory.	Name of Forest.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.	Government Notification of Settlement.	
				Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.		Number.	Date.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Bengal	....	....	....	4	23	4	..	..	..	..	..
United Provinces ..	....	....	....	213	1,099	142	17,432	..	8,457*	..	..
Punjab	....	....	....	..	11	..	..	..	..	..	..
Burma	....	....	....	187	1,248	844	2,611	..	..	..	..
Bihar and Orissa ..	....	....	....	4	..	4	..	..	..	..	..
Assam	....	....	....	116	311	269	181	..	..	..	..
Central Provinces ..	....	....	....	1	4	6	13	..	..	..	..
Coorg	....	....	....	..	1	..	65	..	..	..	..
North-West Frontier Province.	....	....	....	..	..	..	..	..	..	..	..
Ajmer	....	....	....	..	..	..	..	..	..	..	..
Baluchistan ..	....	....	....	..	313	..	..	..	..	..	..
Andamans ..	....	....	....	..		..	..	..	..	..	..
Madras	....	....	....	.7	96	86	13,719	..	..	..	..
Bombay	....	....	....	29	2	4	282	..	..	..	..
Total 1918-19 ..	....	....	....	561	3,593	1,359	34,303	..	..	..	..
„ 1917-18 ..	....	....	....	885	8,654	277	29,911	..	..	..	..
„ 1916-17 ..	....	....	..	1,261	8,736	1,033	127,041	..	..	..	..
„ 1915-16 ..	....	....	....	1,988	3,981	317	84,165	..	..	..	..
„ 1914-15 ..	....	....	....	1,292	2,772	3,193	166,345	..	..	..	..

* The cost of settlement of North and South Garhwal Divisions has been included in one account and the cost per square mile will be known when the settlement is completed.

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal	24	1,351	395	1,750	124	1,129	3,003	509	7,555
United Provinces ..	219	2,585	8,805	11,609	457	2,225	14,291	5,648	22,213
Punjab	143	1,020	7,656	8,819	48	1,252	10,119	3,791	1,974
Burma	292	3,080	14,506	17,878	152	3,218	21,248	5,328	21,809
Bihar and Orissa ..	195	3,751	487	4,413	5	294	4,712	473	1,307
Assam	108	1,023	918	2,049	32	2,059	4,140	2,285	5,029
Central Provinces	23	9,897	21,501	31,421	17	3,099	34,537	462	14,004
Coorg	..	..	480	480	..	56	536	49	22
North-West Frontier Province.	..	124	653	777	..	139	916	..	1,294
Ajmer	..	14	229	243	..	158	401	..	85
Baluchistan ..	..	10	450	460	..	77	537	..	5
Andamans ..	..	..	24	24	33	72	129	..	..
Madras	118	17,368	15,089	32,575	486	1,873	34,934	5,789	12,990
Bombay	49	20,756	18,076	38,881	225	2,832	41,938	502	5,385
Total 1918-19 ..	1,171	60,939	89,269	151,379	1,579	18,483	171,441	24,836	93,672
„ 1917-18 ..	1,094	67,024	82,908	151,026	2,077	18,493	171,596	24,368	1,13,914
„ 1916-17 ..	3,057	55,758	91,851	150,666	2,508	18,334	171,508	55,417	87,732
„ 1915-16 ..	5,738	48,025	97,263	151,026	4,577	18,437	174,040	82,788	76,816
„ 1914-15 ..	4,128	55,091	88,664	147,882	7,138	18,898	173,919	75,306	1,03,691

STATEMENT IV.

Forest Survey Operations.

Province.	Forest surveyed.	Nature of survey operations. 1" Detail Survey. Area.	1" Detail Survey. Cost rate.	2" Detail Survey. Area.	2" Detail Survey. Cost rate.	4" Detail Survey. Area.	4" Detail Survey. Cost rate.	Total area of Detail Survey. 1918-1919.	Total area of Detail Survey. Total up to date.	Expenditure of the year including mapping and publishing charges debitable to Forests.	Remarks.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		Sq. m.	Rs.	Sq. m.	Rs.	Sq. m.	Rs.	Sq. m.	Sq. m.	Rs.	
Bengal ..	..	..	..	..	..	..	..	..	3,265	..	
United Provinces ..	Chakrata ..	..	..	..	..	189 (a)	(b)	189	5,499	21,078	(a) Includes 35 square miles of overlap. (b) The areas surveyed are so small and so far apart entailing such costly moves that it is impossible to arrive at rational cost rate for the actual work of Survey.
Punjab	..	..	..	..	..	..	..	..	4,365	245	
Burma	Katha (c) ..	..	..	..	..	..	..	..	..	41,900	(c) 28 linear miles of boundaries have been traversed and plotted on 4-inch scale. (d) 138 linear miles, of, boundaries and 24 linear miles of inter lines have been traversed on the 4-inch scale. (e) 101 linear miles of boundaries and 37 linear miles of interlines have been traversed on 4-inch scale. (f) 28 linear miles, etc. (g) Includes cost of mapping.
	Meiktila (d) ..	..	..	74	(g) 993·5	..	..	74	17,017		
	Nansi (e) ..	..	..	..	..	..	..	..	..		
	Tenasserim (f) ..	..	..	..	..	..	..	..	..		
Bihar and Orissa ..	..	..	..	..	..	..	..	..	1,762	126	
Assam	Lakhimpur ..	..	..	23	79·7	..	..	23	3,884	1,039	
Central Provinces ..	..	..	..	..	..	..	..	..	19,500	3,758	
Coorg	..	..	..	..	..	..	..	..	478	360	
North-West Frontier Province.	..	..	..	..	..	..	..	..	445	58	
Ajmer	..	..	..	..	..	..	..	..	144	..	
Baluchistan ..	..	..	..	..	..	..	..	..	227	..	
Andamans ..	..	..	..	..	..	..	..	..	527	..	
Madras	Nellore ..	..	..	12	52·1	..	..	12	15,810	416	
Bombay ..	..	..	..	..	..	..	..	..	12,983	..	
Total 1918-19 ..	..	..	..	109	..	189	..	298	85,906	(h) 68,980	(h) Cost of mapping, publishing and special surveys only. Excludes Forest Map Office, Headquarters charges Rs. 60,569.
1917-18 ..	..	12	..	750	...	309	..	1,071	85,608	(i) 5,174	(i) Ditto Rs. 52,042.
1916-17 ..	..	..	..	435	..	236	..	671	84,537	(j) 28,903	(j) Ditto Rs. 48,419.
1915-16 ..	..	128	..	1,220	..	671	..	2,019	83,866	(k) 45,084	(k) Ditto Rs. 48,624.
1914-15 ..	..	85	..	826	..	34	..	945	81,847	(l) 48,640	(l) Ditto Rs. 43,631.

STATEMENT V.

Progress made in Working Plans.

Province.	AREA UNDER SANCTIONED WORKING PLANS.					AREA NOT UNDER WORKING PLANS.				REVISIONS.			Expenditure on working plans during the year.
				At close of year.			Plans not under preparation.						
	At commencement of the year.	Added during the year.	Deducted during the year.	Actual area.	Percentage of total forest area (as shown in column 10).	Plans under preparation.	Required at present.	Not required at present.	Total forest area in Statement I. (Total of columns 5, 7, 8 and 9).	Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Per cent.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	4,982	..	..	4,982	47	1,625	..	4,094	10,701*	674	541	107	4,377
United Provinces ..	4,038	678	485	4,231	57	2,029	1,178	35	7,473	961	777	510	40,095
Punjab	3,847	..	4	3,843	55	175	..	3,027	7,045	3,197	3,197	..	1,204
Burma	10,864	23	..	10,887	7	180	6,607	128,491	146,165	393	..	292	10,625
Bihar and Orissa ..	1,463	..	2	1,461	38·4	..	43	2,297	†3,801	819	320	..	1,032
Assam	962	..	..	962	4·4	..	2,782	18,060	21,804	240	..	..	..
Central Provinces ..	16,544	1	..	16,545	85	545	57	2,498	19,645	1,112	1,548	..	..
Coorg	520	..	..	520	100	..	..	..	520	..	..	..	..
North-West Frontier Province.	236	..	..	236	100	..	..	..	236	236	..	..	..
Ajmer	142	..	..	142	100	..	..	..	142	..	..	142	..
Baluchistan ..	..	..	..	..	..	313	..	472	785	..	..	..	..
Andamans ..	708	..	..	708	92	..	..	1,499	2,207	..	..	..	..
Madras	8,121	191	..	8,312	43	1,718	6,248	3,116	19,394	..	..	..	..
Bombay	7,728	121	8	7,841	62·3	1,385	1,289	2,072	12,587	1,765	2,850	28	..
Total 1918-19 ..	60,155	1,014	499	60,670	24·0	7,970	18,204	165,661	252,505	9,397	9,233	1,079	57,333
„ 1917-18 ..	58,557	2,282	115	60,724	24·0	7,746	18,085	166,000	252,555	9,306	10,015	..	28,996
„ 1916-17 ..	56,763	1,846	21	58,588	23·6	9,340	27,865	152,087	247,880	8,483	10,165	1,125	59,015
„ 1915-16 ..	56,151	1,340	47	57,444	23·1	11,559	17,862	163,463	250,328	11,059	8,510	770	43,392
„ 1914-15 ..	52,865	2,762	..	55,629	22·3	..	24,990	159,485	249,867	..	..	..	..

*Includes 18 square miles of reserved and 54 square miles of protected forests not under the control of the Forest Department.
†Includes 965 square miles not under the control of the Forest Department.

STATEMENT VI.

Expenditure on communications and buildings.

PROVINCE.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads.	Buildings.	Roads.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	14,694	3,665	18,856	15,092	5,359	57,666
United Provinces ..	6,68,894	1,02,570	48,346	79,140	14,530	9,13,530
Punjab	33,107	14,039	12,384	14,785	4,587	78,902
Burma	84,313	70,788	58,338	74,938	20,651	3,09,028
Bihar and Orissa ..	17,340	31,220	13,462	20,447	1,891	84,360
Assam	11,159	13,879	17,335	11,710	8,828	62,911
Central Provinces ..	30,846	65,942	34,657	60,216	33,136	2,24,797
Coorg	4,824	1,77,836	2,733	5,771	2,280	1,93,444
North-West Frontier Province.	9,448	625	2,640	2,465	168	15,346
Ajmer	675	..	111	146	4,143	5,075
Baluchistan	..	..	116	..	..	116
Andamans	3,386	29,273	559	2,828	18	36,074
Madras	74,886	81,778	58,951	64,956	10,466	2,91,037
Bombay	1,32,881	3,86,600	42,229	1,64,073	23,270	7,49,053
Total 1918-19	10,86,453	9,78,215	3,10,717	5,16,577	1,29,377	30,21,339
„ 1917-18	3,52,474	4,33,281	2,80,533	4,02,362	1,19,129	15,87,779
„ 1916-17	2,24,902	3,28,397	2,61,628	3,16,192	1,03,959	12,35,078
„ 1915-16	2,99,699	2,18,516	2,46,691	3,10,047	91,133	11,66,086
„ 1914-15	5,59,391	3,75,798	2,75,747	5,75,596	1,22,358	17,08,890

STATEMENT VII.

Breaches of forest rules.

Province.		Cases pending from 1917-18	NEW CASES OF THE YEAR.					Total cases.	DISPOSED OF DURING THE YEAR.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Conviction.		Acquittals.		Total.		
									Cases.	Persons.	Cases	Persons.	Cases.	Persons.	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Bengal	A	93	7	301	63	79	450	543	362	908	27	162	389	1,070	129
	B	89	7	931	1,334	773	3,045	3,134	3,018	5,240	..	..	3,018	5,240	114
	C	..	67	79	22	31	199	199	..	..	..	..	..	..	..
	Total ..	182	81	1,311	1,419	883	3,694	3,876	3,380	6,148	27	162	3,407	6,310	243
United Provinces ..	A	22	19	81	21	28	149	171	102	183	36	104	138	287	33
	B	335	58	2,035	1,688	246	4,027	4,362	3,766	16,249	202	721	3,968	16,970	394
	C	..	113	338	11	47	509	509	..	..	..	..	..	..	..
	Total ..	357	190	2,454	1,720	321	4,685	5,042	3,868	16,432	238	825	4,106	17,257	427
Punjab	A	142	14	234	148	227	623	765	467	1,268	73	300	540	1,568	217
	B	149	25	2,767	4,190	416	7,398	7,547	7,360	10,127	2	2	7,362	10,129	146
	C	..	199	35	12	2	248	248	..	..	..	..	..	..	..
	Total ..	291	238	3,036	4,350	645	8,269	8,560	7,827	11,395	75	302	7,902	11,697	363
Burma	A	267	17	454	11	110	592	859	595	909	72	197	667	1,106	..
	B	489	16	2,795	227	970	4,008	4,497	3,589	5,488	..	..	3,589	5,488	..
	C	1	37	13	..	7	57	58	..	..	..	..	..	..	..
	Total ..	757	70	3,262	238	1,087	4,657	5,414	4,184	6,397	72	197	4,256	6,594	945
Bihar and Orissa ..	A	21	13	120	10	27	170	191	116	516	18	217	134	733	53
	B	52	5	982	136	73	1,196	1,248	1,107	3,387	..	..	1,107	3,387	133
	C	..	85	11	..	..	96	96	..	..	..	..	..	..	..
	Total ..	73	103	1,113	146	100	1,462	1,535	1,223	3,903	18	217	1,241	4,120	186
Assam	A	85	..	164	89	81	284	369	234	731	48	141	282	872	87
	B	61	..	304	156	118	578	639	567	1,353	10	17	577	1,370	62
	C	..	5	3	6	..	14	14	..	..	..	..	..	..	..
	Total ..	146	5	471	201	199	876	1,022	801	2,084	58	158	859	2,242	149
Central Provinces ..	A	26	7	38	66	16	127	153	107	244	30	222	137	466	16
	B	1,332	68	4,058	5,984	534	10,644	11,976	10,539	28,780	12	18	10,551	28,798	1,425
	C	..	140	367	37	15	559	559	..	..	..	..	..	..	..
	Total ..	1,358	215	4,463	6,087	565	11,330	12,688	10,646	29,024	42	240	10,688	29,264	1,441
Coorg	A	2	..	2	3	..	5	7	7	9	..	..	7	9	..
	B	..	..	5	3	1	9	9	9	13	..	..	9	13	..
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	2	..	7	6	1	14	16	16	22	..	..	16	22	..
North-West Frontier Province.	A	3	34	140	137	4	315	348	223	(a) 472	18	60	241	(a) 532	96
	B	..	..	523	834	10	1,367	1,367	1,367	(b) 2,852	..	..	1,367	(b) 2,852	..
	C	..	15	21	11	2	49	49	..	..	..	..	..	..	..
	Total ..	33	49	684	982	16	1,731	1,764	1,590	3,324	18	60	1,608	3,384	96

(a) And 39 villages (number of persons not given).
(b) And 6 villages (number of persons not given).

STATEMENT VII—*contd.*

Breaches of forest rules—contd.

Province.		Cases pending from 1917-18	NEW CASES OF THE YEAR.					Total cases.	DISPOSED OF DURING THE YEAR.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Conviction.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Ajmer	A	2	..	1	10	1	12	14	9	92	3	74	12	166	2
	B	26	..	229	365	507	1,101	1,127	1,119	2,001	8	14	1,127	2,015	..
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	28	..	230	375	508	1,113	1,141	1,128	2,093	11	88	1,139	2,181	2
Baluchistan	A	5	..	25	28	3	56	61	46	87	6	10	52	97	9
	B	..	2	21	86	12	121	121	121	183	..	..	121	183	..
	C	..	3	..	..	..	3	3	..	..	..	..	..	..	..
	Total ..	5	5	46	114	15	180	185	167	270	6	10	173	280	9
Andamans	A	..	..	2	..	..	2	2	2	6	..	..	2	6	..
	B	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	..	..	2	..	..	2	2	2	6	..	..	2	6	..
Madras	A	2,391	37	4,666	2,010	375	7,088	9,479	6,352	19,603	515	1,645	6,867	21,248	2,612
	B	3,174	68	11,776	5,081	800	17,725	20,899	14,541	31,611	1,529	4,208	16,070	35,819	4,829
	C	..	924	328	78	17	1,347	1,347	..	..	..	..	..	..	..
	Total ..	5,565	1,029	16,770	7,169	1,192	26,160	31,725	20,893	51,214	2,044	5,853	22,937	57,067	7,441
Bombay	A	252	117	401	197	50	765	1,017	575	1,367	78	295	653	1,662	340
	B	2,189	210	8,063	8,697	1,328	18,298	20,480	17,177	40,088	..	..	17,177	40,088	3,222
	C	..	1,963	1,700	55	31	3,749	3,756	..	..	..	..	..	..	..
	Total ..	2,441	2,290	10,164	8,949	1,409	22,812	25,253	17,752	41,455	78	295	17,830	41,750	3,562
Grand Total ..	A	3,341	265	6,629	2,743	1,001	10,638	13,979	9,197	26,395	924	3,427	10,121	29,822	3,594
	B	7,806	459	34,489	28,781	5,788	69,517	77,406	64,280	1,47,372	1,763	4,980	66,043	1,52,352	10,325
	C	1	3,551	2,895	232	152	6,830	6,838	..	..	..	..	..	..	..
Total 1918-19 ..		11,238	4,275	44,013	31,756	6,941	86,985	98,223	73,477	173,767	2,687	8,407	76,164	1,82,174	14,864*
„ 1917-18 ..		11,071	4,139	45,697	31,099	5,510	86,445	97,516	75,905	1,77,673	2,767	11,414	78,672	1,89,087	11,275 (d)
„ 1916-17 ..		10,271	4,130	50,533	32,815	5,637	93,146	103,417	70,765	1,65,969	12,402	29,804	83,167	1,95,773	11,101 (c)
„ 1915-16 ..		11,165	4,884	52,034	33,990	5,183	96,102	107,198	66,057	1,49,105	20,592	45,041	90,675	1,94,156	103,398 (b)
„ 1914-15 ..		10,067	3,634	51,654	32,362	5,447	93,097	103,164	78,179	1,74,348	3,591	10,149	85,838	1,84,497	11,179 (a)

N.B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

(*a*) Excludes 3,756 undetected cases and 2,391 cases struck off.
(*b*) „ 3,375 „ „ 1,716 „ „
(*c*) „ 3,363 „ „ 1,383 „ „
(*d*) Burma has given the figures for the total of pending cases at the close of the year, *viz.*, 720, but has not shown separately "A" and "B" cases.

* Burma has not shown separately "A" and "B" cases. It has given the figures for the total of pending cases *viz.*, 945 at the close of the year.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1917-18.	1918-19.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Bengal	620	581	12·7	2·3	6·3	
United Provinces	3,638	3,543	57·6	3·1	2·6	
Punjab	1,205	1,166	57·1	2·0	3·2	
Burma	1,347	1,237	4·6	4·1	8·1	
Bihar and Orissa	(a) 1,685	(a) 1,659	96·5	(b)	1·5	(a) Excludes protected forests under fire protection.
Assam	162	138	2·9	2·3	14·8	(b) Refers to the old province of Eastern Bengal and Assam.
Central Provinces	9,700	9,559	49·4	1·6	1·5	
Coorg	163	160	31·3	1·5	1·8	
North-West Frontier Province	78	73	33·1	13·7	6·4	
Ajmer	141	141	99·3	·1	..	
Madras	15,996	15,256	85·5	7·9	4·6	
Bombay	11,255	10,453	93·0	4·0	7·1	
Total 1918-19	45,990	43,966	45·2	4·6	4·4	
„ 1917-18	46,951	44,706	46·3	4·5	4·8	
„ 1916-17	48,464	46,588	48·3	4·7	3·9	
„ 1915-16	49,051	45,585	46·0	4·1	7·1	
„ 1914-15	50,203	48,487	51·4	4·5	3·4	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.
Bengal	..	..	8	·3	14	1	5	4	28	34	55	39
United Provinces ..	47	8·2	29	10·1	120	18·1	44	48·1	43	10·7	283	95·2
Punjab	11	3	25	5	131	19	71	18	12	2	250	47
Burma	11	1·7	15	36·5	37	15·9	37	16	62	40	162	110
Bihar and Orissa ..	5	..	2	·5	11	1·6	26	32·9	29	12·5	73	47·5
Assam	..	..	18	128·6	4	5·5	3	..	2	1·6	27	135·7
Central Provinces ..	37	16·3	28	53·9	47	14·8	5	2·3	93	54	210	141·3
Coorg	9	1·4	4	..	4	..	..	..	4	1	21	2·4
North-West Frontier Province.	..	..	4	..	3	..	3	5	..	..	10	5
Ajmer	..	..	..	..	..	..	..	..	..	..	..	..
Baluchistan	..	..	..	..	5	..	..	..	..	..	5	..
Andamans	..	..	..	..	..	..	..	..	..	..	..	..
Madras	53	13	150	218·2	352	116	524	224	419	213	1,498	784·2
Bombay	46	22·7	232	114·6	454	98·9	400	77·4	1,172	489·7	2,304	803·3
Total, 1918-19 ..	219	66·3	515	567·7	1,182	290·8	1,118	427·7	1,864	858·5	4,898	2,210·6
„ 1917-18 ..	205	44·1	549	341·0	1,060	308·2	1,158	959·5	1,920	815·8	4,892	2,469·1
„ 1916-17 ..	226	83·1	518	293·8	1,164	235·4	971	539·0	2,066	872·0	4,943	2,023·2
„ 1915-16 ..	276	155·1	692	747·8	1,447	500·0	1,272	1,002·4	2,332	1,400·9	6,019	3,806·3
„ 1914-15 ..	255	96·9	419	373·0	1,068	250·2	927	297·7	1,609	664·1	4,278	1,681·8

STATEMENT X.

Area closed and open to grazing.

Province.	Area in square miles.							Remarks.
	Closed to all animals.		Open to grazing				Total area.	
			Of all animals.		*Of all animals except browsers (camels, sheep and goats).*			
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bengal	5,802	7	4,747	..	82	63	10,701 (a)	(a) Includes 18 sq. miles of other reserved and 54 sq. miles of other protected forests.
United Provinces ..	2,226	135	4,040	..	1,019	53	7,473	
Punjab	177	358	5,777	144	367	221	7,044	
Burma	22,728	..	116,829 (b)	221	2,171	4,216	146,165	(b) Unclassed forests.
Bihar and Orissa ..	1,313	..	539	..	969	60	2,881 (c)	
Assam	4,385	111	16,838	..	470	..	21,804	
Central Provinces ..	3,123	238	5,560	..	10,677	47	19,645	
Coorg	63	443	..	..	14	..	520	
North-West Frontier Province.	9	..	46	..	159	22	236	
Ajmer	..	..	..	..	3	139	142	
Baluchistan ..	171	..	568	33	13	..	785	
Andamans ..	85	..	2,122	..	..	..	2,207	
Madras	3,738	1,013	13,697	1,312	222	..	19,982	
Bombay	2,648	204	3,534	..	8,250	335	14,971	Includes lands under Revenue Department.
Total, 1918-19 ..	46,468	2,509	174,297	1,710	24,416	5,156	254,556	
„ 1917-18 ..	47,249	2,048	174,357	1,177	24,333	4,864	254,028	
„ 1916-17 ..	45,765	1,863	171,882	1,736	24,026	4,853	250,125	
„ 1915-16 ..	44,784	6,856	177,732	..	22,789	440	252,601	
„ 1914-15 ..	45,021	6,266	178,869	..	22,975	428	253,559	

PROVINCE.	GRAZED ON PAYMENT, NUMBER OF ANIMALS.									
	AT FULL RATES.					AT PRIVILEGED RATES.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Bengal	1,395	870	265	..	23	47	43,720	120	..	11
United Provinces ..	71,556	171,363	129,547	59	2,944	13,604	64,775	27,592	..	1,929
Punjab	18,248	77,391	382,418	36,080	817	1,575	32,654	323,955	10	949
Burma	6,718	23,394	1,150	..	60	90	70	..	..	..
Bihar and Orissa ..	6,377	28,576	28	..	100	9,047	136,894	14,688	..	..
Assam	128,846	74,889	512	..	695	10,780	445	..	..	..
Central Provinces ..	259,925	730,320	256,477	53	3,708	103,840	1,622,038	2,627	..	274
Coorg	327	6,514	..	..	..	..	..	..	..	..
North-West Frontier Province.	1,382	824	16	..	25	..	..	..	..	..
Ajmer	951	5,793	..	16	2	9,989	37,310	..	..	..
Baluchistan	744	1,979	..	..	207	..	..	..	..	..
Madras	67,800	480,177	293,137	..	..	9,361	81,751	53,618	..	9,221
Bombay	28,294	81,317 (a)	82,224	1,916	2,804	167,555	1,369,828 (a)	281,711	..	5,038
Total 1918-19	592,563	1,683,407	1,245,774	38,124	11,385	325,888	3,388,985	704,311	10	17,422
„ 1917-18 ..	642,405	1,969,559	1,451,814	15,353	14,991	320,059	3,213,826	706,205	11	30,060
„ 1916-17 ..	639,633	2,178,006	1,970,641	21,929	14,520	315,515	3,358,537	646,333	188	28,494
„ 1915-16 ..	593,595	2,238,326	2,188,122	18,160	12,030	333,966	3,517,467	599,894	17	26,559
„ 1914-15 ..	601,839	2,475,321	2,618,384	11,746	18,409	307,563	3,274,365	554,814	1,356	24,422

(a) Includes buffaloes in the Southern Circle.

MENT XI.

from cattle.

GRAZED FREE, NUMBER OF ANIMALS.									
By right under settlement.					During pleasure of Government or otherwise than under settlement.				
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
..	..	..	..	..	628	1,517	..	..	..
33,375	441,011	37,130	..	1,880	10,570	44,133	27,207	..	95
131,440	637,993	1,306,172	185	184,882	3,763	22,251	20	6,486	2,783
163,291	381,519	..	..	304	11,727	720	..	..	5,860
30,866	99,834	21,000	..	..	235	961	610	..	..
..	340	..	..	..	68,764	413,485	78,141	..	325
..	375	..	..	..	6,006	258,398	527	..	141
..	199	..	..	..	..	7,408	..	..	..
5,366	6,699	..	..	..	8,159	13,341	..	..	..
..	..	..	..	..	5,203	16,488	..	..	..
..	3,310	53,226	1	1,193	..	5,864	16,572	900	15
913	..	..	..	..	9,282	70,652	1,482	..	22
4,263	15,046	..	..	71	96,970	(a) 525,735	4,820	1,861	4,700
369,514	1,586,326	1,417,528	186	188,230	221,107	1,380,953	129,379	9,247	13,941
360,218	1,827,488	1,421,724	186	196,434	202,694	1,285,674	111,836	5,925	14,218
352,560	1,812,145	1,436,676	279	188,338	206,295	1,299,857	97,668	3,938	17,133
342,757	1,723,167	1,428,343	279	189,221	192,075	1,221,831	93,714	5,600	15,070
246,601	1,166,591	1,432,644	279	182,992	189,832	1,143,758	82,648	3,351	6,464

STATEMENT XII.

Area of plantations and the cost of the year's work.

Province.	Area in acres at close of the year.			
	Regular Plantations.	Taungyas.	Total	Cost of operations during the year.
(1)	(2)	(3)	(4)	(5)
Bengal	1,358	1,831	3,189	26,422
United Provinces	(a) 15,875	..	15,875	24,777
Punjab	6,123	..	6,123	40,477
Burma	3,367	(b) 78,687	82,054	20,066
Bihar and Orissa	1,152	120	1,272	7,482
Assam	3,388	2,808	6,196	874
Central Provinces	(c) 1,821	(d) 7,126	8,947	2,985
Coorg	2,072	3,178	5,259	7,790
North-West Frontier Province	..	..	..	..
Ajmer	264	..	264	138
Baluchistan	..	..	..	..
Andamans	2,563	..	2,563	15,576
Madras	(e) 23,211	696	23,907	25,039
Bombay	(f) 2,374	..	2,374	20,357
Total 1918-19 ..	63,568	94,446	158,014	1,91,983
„ 1917-18 ..	64,104	88,821	152,925	1,76,526
„ 1916-17 ..	71,281	88,184	159,465	1,73,774
„ 1915-16 ..	69,496	86,031	155,527	1,43,177
„ 1914-15 ..	63,151	87,059	150,210	1,73,001

(a) 3,849 acres excluded during the year.
(b) 290 acres excluded during the year.
(c) 46 acres excluded during the year.
(d) 206 acres excluded during the year.
(e) 387 acres excluded during the year.
(f) 233 acres excluded during the year.

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average outturn per square mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal ..	20,639,000	3,63,349	484,000	12,250	694,000	30,044	21,817,000	4,06,143	4,222	74	283	7	172	7	2,053	38
United Provinces	29,394,000*	23,04,582	3,457,000	3,715	43,000	2,344	32,894,000	23,10,641	4,658	365	3,140	3	705	38	4,402	309
Punjab ..	10,951,000	12,96,594	18,266,000	8,17,465	5,184,000	4,02,820	34,401,000	25,16,879	5,193	615	4,381	196	6,759	525	4,883	357
Burma ..	35,103,000	4,52,999	..	..	65,672,000	5,04,178	100,775,000	9,57,177	1,128	15	..	..	562	4	689	7
Bihar and Orissa	4,944,000	1,09,419	15,250,000	1,45,327	132,000	840	20,326,000	2,55,586	2,83	63	14004	133	..	..	7,167	90
Assam ..	2,765,000	96,877	..	..	10,680,000	11,52,075	13,445,000	12,48,952	503	18	..	..	655	71	617	57
Central Provinces	34,867,000	22,71,835	..	..	..	..	34,867,000	22,71,835	1,775	116	..	..	..	..	1,775	116
Coorg ..	524,908	23,036	124,668	383	..	..	649,576	23,419	1,009	44	..	..	..	..	1,249	45
North-West Frontier Province.	3,069,000†	30,887	..	..	..	..	3,069,000	30,887	13,004	131	..	..	..	..	13,004	131
Ajmer ..	158,994	66,677	..	1,068	..	..	158,994	67,745	1,120	470	..	..	..	..	1,120	477
Baluchistan ..	41,194	46,350	..	..	213,154	6	254,348	46,356	132	148	..	..	452	..	324	59
Andamans ..	546,000	1,354	..	..	1,256,000	1,438	1,802,000	2,792	6,424	16	..	..	592	1	816	1
Madras ..	16,628,000	21,70,406	..	..	5,876,000	2,38,059	22,504,000	24,08,465	889	116	..	..	8,616	349	1,160	124
Bombay ..	55,725,000	15,83,381	1,144,000	74,330	19,000	..	56,888,000	16,57,711	4,605	131	2,349	153	..	..	4,520	132
Total, 1918-19 ..	215,356,096	1,08,18,246	38,725,668	10,54,538	89,769,154	23,31,804	343,850,918	1,42,04,588	2,119	106	4,526	123	635	17	1,367	56
" 1917-18 ..	212,511,559	1,05,20,099	39,019,024	13,27,410	77,135,796	18,28,159	328,666,379	1,36,75,668	2,099	104	4,459	152	545	13	1,307	54
" 1916-17 ..	102,371,761	97,12,650	36,800,968	13,28,362	77,696,669	14,15,584	306,869,398	1,24,56,596	1,918	97	4,026	145	567	10	1,245	51
" 1915-16 ..	179,458,949	88,90,881	36,511,983	13,82,726	70,245,179	14,07,130	286,216,111	1,16,80,737	1,809	90	3,759	142	501	10	1,119	47
" 1914-15 ..	166,127,920	80,97,598	38,147,762	14,61,904	66,179,777	12,03,781	270,455,459	1,07,63,283	1,702	83	3,663	141	466	8	1,082	43

*Includes leased forests.
†Excludes guzura forests

STATEMENT XIV.

Forest produce removed by different agencies.

PART I.—*Timber and Fuel.*

PROVINCE.	TIMBER.					FUEL.				
	By Government.	By purchasers.	By free grantees.	By right holders.	TOTAL.	By Government.	By purchasers.	By free grantees.	By right holders.	TOTAL.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	539,000	7,454,000	8,000	..	8,001,000	56,000	12,006,000	1,754,000	..	13,816,000
United Provinces	1,155,000	7,269,000	76,000	403,000	8,903,000	784,000	5,927,000	365,000	16,915,000	23,991,000
Punjab	1,633,000	4,813,000	42,000	755,000	7,243,000	2,007,000	1,402,000	73,000	23,676,000	27,158,000
Burma	5,338,000	31,686,000	535,000	1,387,000	38,946,000	11,971,000	47,476,000	63,000	2,319,000	61,829,000
Bihar and Orissa	30,000	1,692,000	12,000	200,000	1,934,000	7,000	3,636,000	14,000	14,735,000	18,392,000
Assam	234,000	3,751,000	759,000	4,000	4,748,000	26,000	3,258,000	5,665,000	9,000	8,958,000
Central Provinces	1,023,000	7,258,000	217,000	66,000	8,564,000	1,133,000	22,303,000	2,193,000	674,000	26,303,000
Coorg	368,375	136,355	1,874	..	506,604	47,597	95,375	..	..	142,972
North-West Frontier Province ..	171,000	1,224,000	29,000	4,000	1,428,000	234,000	70,000	1,232,000	316,000	1,852,000
Ajmer	..	1,523	..	354	1,877	65,041	89,864	2,212	..	157,117
Baluchistan	323	2,428	908	..	3,659	37,972	212,717	..	..	250,689
Andamans	883,000	29,000	21,000	110,000*	1,043,000	474,000	10,000	170,000	105,000*	759,000
Madras	888,000	2,877,000	125,000	64,000	3,954,000	1,288,000	17,104,000	4,000	154,000	18,550,000
Bombay	2,087,000	4,041,000	55,000	57,000	6,240,000	7,443,000	33,835,000	67,000	9,303,000	50,648,000
Total, 1918-19 ..	14,349,698	72,234,306	1,881,782	3,050,354	91,516,140	25,573,610	147,424,956	11,602,212	68,206,000	252,806,778
„ 1917-18 ..	12,875,227	78,867,653	1,971,687	3,579,204	97,293,771	14,516,735	140,544,235	9,557,638	67,105,000	231,723,608
„ 1916-17 ..	9,423,753	74,767,326	1,980,778	3,904,753	90,079,610	12,382,340	134,200,227	9,229,566	61,322,000	217,134,133
„ 1915-16 ..	8,666,189	66,098,444	2,065,791	3,473,887	80,304,311	12,001,836	124,187,363	10,850,372	59,433,459	206,473,030
„ 1914-15 ..	7,985,592	64,265,882	2,679,787	6,364,563	81,295,824	10,669,896	116,279,082	8,863,291	3,577,265	189,689,534

* By district officers.

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—contd.

PART II.—*Value of minor forest produce.*

PROVINCE.	BAMBOOS.					GRAZING AND FODDER GRASS.					OTHER MINOR PRODUCE.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	90	1,16,996	165	..	1,17,251	..	33,643	16,380	..	50,023	773	2,31,080	6,416	..	2,38,869
United Provinces ..	114	2,94,518	50	6,113	3,00,795	363	1,51,320	24,579	2,32,520	4,08,782	12,31,282	3,14,434	6,601	48,747	16,01,064
Punjab	81,251	5,855	..	380	86,986	21	2,01,349	40,602	19,86,851	22,28,823	1,43,423	12,370	57	45,220	2,01,070
Burma	1,767	2,72,089	546	15,547	2,89,949	1	12,642	45,064	1,88,493	2,46,200	5,164	3,45,109	1,360	69,395	4,21,028
Bihar and Orissa ..	5,200	15,344	115	21,928	42,587	..	5,116	792	82,629	88,537	158	98,500	8	25,796	1,24,462
Assam	43	32,110	19,229	..	51,382	..	3,99,604	3,93,119	127	7,92,850	16,970	1,84,707	2,07,723	..	4,09,400
Central Provinces ..	11,314	2,05,239	9,874	3,931	2,30,358	15,163	14,38,104	1,71,354	1,328	16,25,949	1,07,959	2,46,691	57,393	3,485	4,15,528
Coorg	8	(a) 1,404	..	..	1,412	..	1,972	..	..	1,972	44	19,991	..	..	20,035
North-West Frontier Province.	..	..	..	..	..	..	4,868	17,922	6,994	29,784	586	515	2	..	1,103
Ajmer	..	289	..	..	289	2,701	6,976	2,657	51,591	63,925	1,761	1,770	..	..	3,531
Baluchistan ..	..	..	..	..	..	..	1,529	2,947	41,470	45,946	13	207	190	..	410
Andamans ..	26	36	178	260	500	..	..	..	..	..	179	201	1,814	98	2,292
Madras	38,881	2,76,655	696	64	3,16,296	44,865	8,35,895	18,244	1,268	9,00,272	1,24,392	10,39,877	3,131	24,497	11,91,897
Bombay	86,089	84,326	1,204	12,000	1,83,619	1,13,863	5,71,095	36,316	4,35,240	11,56,514	16,104	1,91,944	962	1,08,568	3,17,578
Total, 1918-19 ..	2,24,783	13,04,361	32,057	60,223	16,21,424	1,76,977	36,64,113	7,69,976	30,28,511	76,39,577	16,48,808	26,87,996	2,85,657	3,25,806	49,48,267
" 1917-18	1,81,822	12,91,986	22,568	63,568	15,59,944	65,204	35,47,175	6,91,323	30,12,452	73,16,154	15,49,180	27,31,450	2,42,627	2,76,201	47,99,458
" 1916-17 ..	34,860	13,39,506	20,376	58,803	14,53,545	6,559	33,82,113	6,45,729	30,22,383	70,56,684	8,75,284	25,59,752	2,66,010	2,45,708	39,46,754
" 1915-16 ..	27,668	11,80,035	10,822	52,962	12,71,487	78,442	32,45,767	5,96,750	30,01,400	69,22,359	6,13,596	23,64,610	2,50,750	2,58,387	34,87,343
" 1914-15 ..	34,309	10,22,060	12,049	49,187	11,17,605	28,234	32,54,843	5,48,908	27,97,531	66,29,516	5,85,163	19,52,132	2,57,547	2,24,457	30,19,299

(a) Includes cost of 34,609 reeds.

STATEMENT XV.

Exports of forest produce.

ARTICLES OF FOREST PRODUCE.	QUANTITY IN TONS OF 20 CWT. IN THE CASE OF TEAK AND OTHER TIMBERS, CUBIC TONS. — Average of 5 years 1913-14 to 1917-18.	In 1918-19.	VALUATION AT PORT OF SHIPMENT IN 1918-19. Total.	Per ton.
(1)	(2)	(3)	(4)	(5)
			Rs.	Rs.
Caoutchouc, raw	2,458	6,236	2,50,31,106	4,014
Lac .. Button	659	176	5,62,936	3,199
Lac .. Shell	15,558	11,144	2,79,93,953	2,512
Lac .. Stick, seed and other kinds ..	2,052	635	9,27,652	1,461
Cutch and Gambier	36,881	2,906	11,57,830	398
Myrabolans	57,025	41,194	49,34,044	120
Cardamoms	221	286	7,74,074	2,706
Sandal	(a)	104	1,57,949	1,519
Ebony and other ornamental woods	(a)	(a)	2,290	..
Teak	33,636	28,838	59,89,373	208
Other timber (excluding Fire-wood)	3,728	4,475	3,61,478	81
Total, 1918-19	..	..	6,78,92,745	..
„ 1917-18	..	..	6,46,30,998	..
„ 1916-17	..	..	2,99,84,737	..
„ 1915-16	..	..	4,79,30,443	..
„ 1914-15	..	..	4,17,49,407	..

(a) Quantity (whether by weight or measurement) is not recorded.

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	1,518	31,373	48,518	27,036	6,416	1,14,861
United Provinces	52,143	1,44,769	6,163	2,60,560	56,368	5,20,003
Punjab	28,405	8,55,113	380	20,27,453	45,277	29,56,628
Burma	1,77,074	30,574	19,975	2,32,557	66,875	5,28,053
Bihar and Orissa	16,529	1,68,695	22,043	83,421	26,912	3,17,600
Assam	59,804	82,620	19,229	4,02,166	2,07,723	7,71,542
Central Provinces	15,942	86,132	23,918	11,27,923	54,354	13,08,269
Coorg	..	..	..	1,902	727	2,629
North-West Frontier Province ..	6,518	44,439	..	24,816	102	75,875
Ajmer	..	..	..	54,248	..	54,248
Baluchistan	486	..	..	44,467	140	45,093
Andamans	4,009	6,889	438	..	1,912	13,248
Madras	15,654	3,330	722	19,555	25,731	64,992
Bombay	2,58,735	9,20,378	28,204	7,72,313	2,89,566	22,69,196
Total, 1918-19 ..	6,36,817	23,74,312	1,69,588	50,79,417	7,82,103	90,42,237
„ 1917-18 ..	7,26,398	23,84,578	1,56,197	50,41,213	6,96,633	90,05,019
„ 1916-17 ..	7,63,685	23,58,964	1,37,104	46,31,902	7,05,309	85,96,964
„ 1915-16 ..	7,47,553	23,35,459	1,08,415	45,92,908	7,32,981	85,17,316
„ 1914-15 ..	9,78,430	22,71,655	1,02,095	43,67,560	6,85,948	84,05,688

STATEMENT XVII.

Details of revenue and expenditure for the Forest year 1918-19.

					Rs.
Gross Receipts ..	(*a*) Wood				3,45,76,671
	(*b*) Minor forest produce				38,64,799
	(*c*) Forest stamps and commutation fees for forest produce				92,672
	(*d*) Grazing				36,78,959
	(*e*) Revenue from forests not managed by Government				2,46,448
	(*f*) Miscellaneous				36,99,886
			Total Revenue	..	4,61,59,435
Expenditure ..	A. Recurring ..	(*a*) Administration.	(*i*) Superior Staff	..	40,95,913
			(*ii*) Subordinate Staff (including Rangers, Foresters and Guards).		40,32,783
			(*iii*) Office Establishments (including Contingencies).		22,13,708
		(*b*) Working	(1) Extraction	..	1,02,27,685
			(2) Roads and Buildings	..	24,70,682
			(3) Fire protection	..	4,52,527
			(4) Cultural operations	..	8,73,748
			(5) Live-stock, stores and plant	..	9,18,347
			(6) Working-Plans	..	54,428
			(7) Rent for leased forests	..	4,12,312
			(8) Miscellaneous	..	5,51,490
		(*c*) Expenditure on realization of revenue from forests not managed by Government.			10,717
		(*d*) Forest Science and Education (including all "A" and "B" charges of Imperial Forest College and Research Institute.*			2,94,304
			Total	..	2,66,08,644
	B. Extraordinary ..	(*e*) Forest Settlement		..	90,892
		(*f*) Forest Survey		..	91,709
		(*g*) Forest Demarcation		..	1,48,453
			Total	..	3,31,054
			GRAND TOTAL OF EXPENDITURE	..	2,69,39,698
			Net Revenue	..	192,19,737

*. Expenditure under this head in provinces has been included in (*a*) Administration.

STATE

Summary of revenue and expenditure of the Forest

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma.	Bihar and Orissa.	Assam.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
REVENUE.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Timber and other produce removed from the forests by Government agency.	18,421	3,78,314	19,82,369	10,15,294	35,47,722	13,603	2,10,977
II.—Timber and other produce removed from the forests by consumers or purchasers.	8,966	14,70,492	44,30,844	7,18,615	83,55,714	9,01,130	10,83,649
III.—Drift and waif wood and confiscated forest produce.	..	10,675	7,273	49,688	2,49,569	325	16,180
IV.—Revenue from forests not managed by Government.	..	..	12,463	501	1,54,655	..	65,036
V.—Miscellaneous	101	84,623	2,04,217	3,70,080	2,21,192	29,705	1,16,876
Total Revenue ..	(a) 27,488	19,44,104	66,37,166	21,54,178	1,25,28,852	9,44,763	14,92,718
EXPENDITURE.							
A.—Conservancy and Works.							
I.—Timber and other produce removed from the forest by Government agency.	5,035	1,59,355	19,48,491	6,88,265	20,54,011	5,626	88,683
II.—Timber and other produce removed from the forests by consumers or purchasers.	..	1,27,620	74,816	3,902	1,29,441	15,581	35,018
III.—Drift and waif wood and confiscated forest produce.	..	1,381	2,114	20,552	98,815	..	953
IV.—Revenue from forests not managed by Government.	..	..	7,349	..	281	..	8,142
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	..	123	2,26,702	33,650	..	..	43,876
VI.—Live-stock, stores, tools and plant	..	36,722	1,97,922	25,239	1,76,295	4,168	27,108
VII.—Communications and buildings ..	200	56,299	5,93,490	85,848	2,97,307	87,698	60,481
VIII.—Demarcation, improvements and extension of forests.	340	58,980	3,41,487	91,228	2,89,374	36,311	19,965
IX.—Miscellaneous	..	10,335	61,645	2,96,930	47,552	2,533	14,104
Total A.—Conservancy and Works ..	(b) 5,575	4,50,815	34,54,016	12,45,614	30,93,076	1,51,917	2,98,330
B.—Establishments.							
I.—Salaries	1,0°,767	2,92,135	8,18,479	4,29,220	20,57,949	2,38,270	3,15,063
II.—Travelling allowances	315	62,839	1,63,363	76,208	3,76,044	30,644	54,272
III.—Contingencies	981	20,046	1,63,105	44,762	1,64,913	10,018	23,203
Total B.—Establishments ..	(c) 1,05,063	3,75,020	11,44,947	5,50,190	25,98,906	2,78,932	3,92,631
Grand Total of Expenditure ..	1,10,638	8,25,835	45,98,963	17,95,804	56,91,982	4,30,849	6,90,961
Surplus ..	..	11,18,269	20,38,203	3,58,374	68,36,870	5,13,914	8,01,757
Deficit ..	83,150	..	..	..	..	..	..
Proportion of surplus to gross revenue	..	58	31	17	55	54	54
Net revenue per square mile of forest area under control of Forest Department.	..	105	273	51	47	181	37

(a) Includes revenue derived
(b) Includes ex enditure on
(c) Includes expenditure on

MENT XVIII.

Department in India for the financial year 1918-19.

Central Provinces.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Forest Surveys. (Imperial).	Madras.	Bombay.	TOTAL.
(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
2,09,208	5,96,085	72,555	13,777	15,773	11,74,993	..	..	14,39,691	53,76,744	1,60,65,526
31,02,350	76,297	2,92,825	19,256	1,871	5,292	..	..	28,81,398	48,31,818	2,81,80,517
886	..	1,017	5	..	11	..	..	19,229	5,045	3,59,903
5,013	..	991	..	6,022	..	..	..	..	14,887	2,59,568
1,70,965	5,491	13,934	4,242	1,442	4,087	9,083	..	4,51,142	2,65,537	19,52,717
34,88,422	6,77,873	3,81,322	37,280	25,108	11,84,383	9,083	..	47,91,460	1,04,94,031	4,68,18,231
80,359	67,782	89,883	3,917	7,039	3,27,897	..	..	3,70,094	51,18,306	1,10,14,743
1,44,793	..	1,288	365	..	411	..	..	1,33,318	58,673	7,25,226
87	..	154	..	..	..	..	..	1,245	230	1,25,531
..	..	..	..	..	..	..	..	..	2	15,774
..	..	27,708	..	147	..	..	..	9,074	44,063	3,85,343
37,526	43,802	6,699	47	28	1,37,912	6,305	..	1,79,467	1,01,272	9,80,512
2,04,638	1,73,295	16,969	4,642	119	25,398	5,214	..	2,88,971	6,46,080	25,46,649
1,73,893	47,788	3,415	1,906	58	39,262	..	59,110	3,97,343	1,51,414	17,11,874
34,038	5,395	1,855	655	101	1,357	17,916	..	23,176	56,065	5,73,657
6,75,334	3,38,062	1,47,971	11,532	7,492	5,32,237	29,435	59,110	14,02,688	61,76,105	1,80,79,309
11,07,114	68,889	47,557	13,941	18,028	68,374	2,24,042	..	13,77,445	14,64,083	86,44,359
1,35,405	14,794	6,278	1,920	2,857	9,792	26,051	..	2,75,232	1,60,915	13,96,929
97,695	3,827	5,551	1,115	410	2,423	18,520	..	1,27,155	71,094	7,54,908
13,40,214	87,510	59,386	16,976	21,295	80,589	2,38,613	..	17,79,832	16,96,092	1,07,96,196
20,15,548	4,25,572	2,07,357	28,508	28,787	6,12,826	2,98,048	59,110	31,82,520	78,72,197	2,88,75,505
14,72,874	2,52,301	1,73,965	8,772	..	5,71,557	..	..	16,08,940	26,21,834	1,79,42,726
..	..	..	..	3,679	..	2,88,965	59,110	..	..	..
42	37	46	24	..	48	..	..	34	25	38
75	485	737	62	..	259	..	..	83	208	71

from Indore, Rajputana and Bangalore.
account of Indore.
account of Indore and Rajputana.

STATE

Revenue, expenditure and surplus of the Forest Department throughout India for the 20 financial years

PROVINCE.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.
													(I) REVENUE.
Imperial*	Rs. 2,175	Rs. 31,717	Rs. 25,429	Rs. 10,866	Rs. 5,147	Rs. 9,688	Rs. 6,090	Rs. 2,463	Rs. 3,484	Rs 3,659	Rs. 7,455	Rs. 3,768	Rs. 7,255
Bengal†	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910	12,33,339	12,92,237	12,56,247	10,65,523	11,67,472	11,18,542
United Provinces ..	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740	15,65,463	17,15,508	20,25,324	22,80,446	23,97,318	24,33,428
Punjab	6,87,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770	13,50,842	14,47,558	15,86,408	17,17,797	18,74,443	17,81,653
Burma	8,94,298	14,29,175	19,38,356	25,01,318	49,78,654	66,15,542	78,12,050	80,54,444	58,73,938	67,39,053	82,68,535	89,59,756	1,03,29,869
Bihar and Orissa ..	...	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100	5,49,521	5,12,963	5,80,200	6,75,732	8,15,677	11,06,096
Central Provinces ..	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490	12,65,614	15,79,116	16,84,428	19,98,032	20,13,459	24,49,181
Coorg	93,491	78,887	1,03,170	1,13,024	1,53,136	1,33,456	1,62,410	1,37,596	1,70,242	1,90,730	2,24,031	1,93,087	2,45,419
North-West Frontier Province.	...	...	..	...	...	...	...	...	13,012	1,01,123	1,01,833	90,991	1,29,529
Ajmer	65	1,152	4,475	11,859	15,233	14,162	10,270	10,646	6,865	9,736	13,884	17,297	15,002
Baluchistan	...	...	8,556	10,973	17,998	15,330	17,060	16,956	14,712	19,336	18,363	22,555	21,481
Andamans	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600	2,77,886	2,66,903	3,26,035	4,32,381	6,20,796	5,82,511
Imperial Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210	3,697	3,545	3,252	3,038	3,557	3,080
Forest Surveys (Imperial)	...	17	139	206	668	300	420	327	473	3,034	431	...	...
Total ..	38,49,145	48,43,447	61,17,375	73,56,353	1,08,79,793	1,25,58,524	1,42,92,120	1,44,68,794	1,29,00,556	1,45,28,565	1,68,07,481	1,81,80,176	2,02,21,996
Madras	6,03,243	5,88,389	8,06,020	13,00,481	17,14,328	21,10,938	23,02,290	23,40,170	25,43,430	26,13,819	26,57,727	28,29,216	29,67,604
Bombay	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200	29,61,529	23,79,729	23,29,156	27,51,539	30,20,558	38,84,993
GRAND TOTAL ..	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610	1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950	2,66,74,593
													(II) EXPENDI
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550	83,578	79,539	85,017	89,345	83,058	83,767
Bengal†	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210	5,70,806	6,57,131	6,38,014	7,03,508	6,88,589	5,93,509
United Provinces ..	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380	9,63,439	10,08,739	10,13,998	10,81,438	13,91,583	14,05,182
Punjab	8,9,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460	8,87,343	9,38,335	9,60,095	11,56,415	10,12,354	12,65,664
Burma	4,02,847	6,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440	26,54,717	24,46,457	28,90,263	33,52,404	34,46,924	39,38,063
Bihar and Orissa ..	...	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140	3,47,972	3,29,112	3,27,498	4,25,484	5,03,656	5,93,910
Central Provinces ..	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820	11,65,866	12,00,904	12,57,288	12,80,966	13,20,615	13,07,153
Coorg	40,684	36,591	62,248	73,907	77,016	82,146	74,220	70,905	82,333	89,437	92,191	83,820	95,748
North-West Frontier Province.	...	...	...	...	...	...	...	...	19,510	54,086	60,603	74,958	95,258
Ajmer	6,197	18,692	13,197	17,620	14,061	16,772	15,350	16,782	15,927	16,377	16,680	15,641	17,131
Baluchistan	...	...	12,594	16,130	39,452	33,508	28,680	29,254	24,480	23,240	21,697	24,672	25,743
Andamans	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940	1,40,137	2,04,667	2,81,702	2,66,121	3,42,431	3,35,985
Imperial Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550	71,328	76,290	66,338	59,339	61,424	80,669
Forest Surveys (Imperial)	11,911	63,288	40,447	24,477	24,491	31,936	33,980	33,991	33,730	33,985	833,935	28,229	30,044
Total ..	23,28,550	31,29,341	37,37,627	45,17,623	54,08,450	63,07,802	72,42,720	70,36,028	73,17,154	77,37,338	86,40,126	90,77,954	98,65,826
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530	17,15,431	17,09,554	18,35,552	17,50,930	19,86,098	22,66,602
Bombay	6,48,046	8,70'487	12,51,292	13,41,812	19,09,789	19,81,782	21,28,430	24,08,581	17,19,680	16,76,441	17,75,937	19,03,804	21,26,093
GRAND TOTAL .	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680	1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856	1,42,58,521
													(III) SURPLUS.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460	—81,115	—76,055	—81,358	—81,890	—79,290	—76,512
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700	6,62,533	6,35,106	6,18,233	3,62,015	4,78,883	5,25,033
United Provinces ..	2,96,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360	6,02,024	7,06,769	10,11,326	11,99,008	10,05,735	10,28,246
Punjab	1,41,903	1,84,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310	4,63,499	5,09,223	6,26,313	5,61,382	8,62,089	5,17,989
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610	53,99,727	32,27,481	38,48,790	49,16,131	55,12,332	63,91,806
Bihar and Orissa ..	...	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960	2,01,549	1,83,851	2,52,701	2,50,248	3,12,021	5,12,186
Central Provinces ..	3,42,807	5,46,202	6,68,453	6,73,358	678,848	1,97,298	21,670	99,748	3,78,212	4,27,140	7,17,066	6,92,844	11,41,978
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190	66,691	87,909	1,01,293	131,840	1,09,267	1,49,671
North-West Frontier Province.	...	...	...	...	...	...	...	...	6,498	47,038	41,230	16,033	33,271
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	— 5,080	—6,136	—9,062	—6,641	2,796	1,656	—2,129
Baluchistan	...	...	—4,038	5'157	—21,454	—18,178	—11,620	—12,298	—9,768	—3,904	—3,334	—2,117	—4,262
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660	137,749	62,236	44,333	1,66,260	2,78,365	2,46,526
Imperal Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340	—67,541	—72,745	—63,086	—56,301	—57,867	—77,589
Forest Surveys (Imperial)	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560	—33,664	—33,257	—30,951	—33,504	—28,229	—30,044
Total ..	10,20,595	17,14,106	23,79,743	28,38,730	54,71,343	62,50,722	70,49,400	74,32,766	55,83,402	67,91,227	81,67,355	91,02,222	103,56,170
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760	6,24,739	8,33,876	7,78,267	9,06,797	8,43,118	7,01,002
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770	5,52,948	6,60,040	6,52,715	9,75,602	11,16,954	13,58,900
GRAND TOTAL ..	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930	86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094	1,24,16,072

*Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests' Office Establishment, and undistributable and petty local items and revenues and charges, on account of
†Includes figures up to 1910-11 for districts subsequently transferred to Bihar and Orissa.
‡Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred to Bengal.

MENT XIX.

from 1899-1900 to 1918-19 and the average of 6 quinquennial years from 1869-70 to 1898-99.

1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	1917-18.	1918-19.	PROVINCE.
Rs. ...	Rs. 7,666	Rs. 8,189	Rs. 10,632	Rs. 8,662	Rs. 10,680	Rs 12,837	Rs. 11,471	Rs. 12,047	Rs. 23,457	Rs. 24,546	Rs. 51,720	Rs. 27,488	Imperial.*
10,65,859	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,94,496	11,45,610	13,38,779	13,76,969	19,44,104	Bengal.†
25,02,664	24,09,745	21,75,406	23,01,064	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235	37,38,831	50,40,932	61,16,697	66,37,166	United Provinces.
16,05,284	14,57,449	12,88,792	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943	14,38,005	17,27,283	16,87,801	21,17,776	21,54,178	Punjab.
98,12,519	86,63,989	91,92,082	93,58,077	10,070,117	99,67,594	1,09,22,393	1,14,25,430	97,07,694	96,99,217	1,23,79,531	1,23,61,499	1,25,28,852	Burma.
...	....	...	...	...	4,07,213	4,38,958	4,91,735	5,49,779	5,17,727	5,29,081	7,53,625	9,44,763	Bihar and Orissa.
13,20,592	14,80,447	14,46,368	15,54,732	18,90,635	11,46,320	11,42,091	10,97,969	8,32,877	10,55,052	11,48,621	13,09,956	14,92,918	Assam.‡
24,01,159	22,90,128	20,78,162	20,78,340	21,14,226	25.49,854	31,71,815	31,86,453	32,72,529	32,78,262	33,71,578	34,66,493	34,88,422	Central Provinces and Berar.
2,35,909	2,74,756	2,24,320	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,337	4,49,155	4,87,314	4,58,673	6,77,873	Coorg.
1,83,214	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,013	1,86,815	2,40,935	3,37,711	3,81,322	North-West Frontier Province.
18,335	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170	23,445	21,272	27,733	37,280	Ajmer.
21,195	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058	21,633	18,277	17,934	25,108	Baluchistan.
6,07,027	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248	4,34,784	6,49,711	7,93,656	11,84,383	Andamans.
4,579	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617	6,995	8,199	8,304	9,083	Imperial Forest College and Research Institute.
...	...	...	...	...	.....	...	...	...	...	...	...	...	Forest Surveys (Imperial).
1,97,78,336	1,83,22,972	1,79,78,524	1,80,89,757	1,98,06,819	2,05,57,869	2,31,04,817	2,39,98,069	2,10,88,005	2,23,08,266	2,69,46,627	2,91,98,746	3,15,32,740	Total.
32,90,669	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320	39,41,537	41,06,838	45,96,126	54,58,489	47,91,460	Madras.
34,22,481	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242	47,01,263	55,19,177	63,12,022	104,94,031	Bombay.
2,64,91,486	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545	2,97,03,784	3,11,16,367	3,70,61,930	4,09,69,257	4,68,18,231	GRAND TOTAL.
TURE.													
95,472	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478	1,09,502	1,03,248	90,332	1,10,638	Imperial.*
6,33,386	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157	6,70,935	5,93,635	6,19,649	7,38,712	8,25,835	Bengal.†
13,06,651	11,94,013	12,22,436	12,09,308	12,37,938	13,63,673	16,29,264	18,96,014	28,17,740	25,66,307	27,35,915	32,04,928	45,98,063	United Provinces.
11,44,403	11,76,696	8,51,627	6,97,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302	9,23,878	9,34,662	11,58,048	17,05,804	Punjab.
36,59,753	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447	48,86,241	49,36,583	54,87,179	56,91,932	Burma.
...	...	...	...	...	3,00,916	3,75,894	3,55,648	3,84,371	3,61,550	4,47,972	3,90,716	4,30,349	Bihar and Orissa.
7,07,860	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,93,339	7,55,214	6,76,033	6,86,627	6,90,961	Assam.‡
13,42,898	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569	17,34,336	17,68,775	18,72,124	20,15,548	Central Provinces and Berar.
1,02,855	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,833	1,76,633	1,60,492	1,99,941	4,25,572	Coorg.
92,650	88,400	81,413	77,391	72,492	89,436	1,22,178	1,31,023	1,25,539	1,04,795	1,18,070	1,53,875	2,07,357	North-West Frontier Province.
16,715	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,733	25,152	26,634	26,504	28,508	Ajmer.
26,322	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000	27,995	26,929	29,999	28,787	Baluchistan.
2,95,136	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056	4,30,832	4,28,652	3,97,724	6,12,826	Andamans.
1,37,486	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091	2,78,518	3,05,498	2,89,694	2,98,048	Imperial Forest College and Research Institute.
30,389	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353	48,663	47,407	56,597	59,110	Forest Surveys (Imperial).
95,92,956	97,76,649	97,64,900	95,17,931	99,47,805	1,08,67,248	1,13,64,873	1,20,17,761	1,28,57,840	1,30,23,251	1,33,36,524	1,47,83,000	1,73,20,788	Total.
24,80,660	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685	29,27,318	28,42,678	30,20,349	31,82,520	Madras.
19,90,183	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877	24,87,925	26,42,038	25,64,681	33,53,714	28,72,197	Bombay.
1,40,63,799	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	175,43,455	1,82,06,450	1,85,92,607	1,87,43,883	2,11,57,063	2,88,75,505	GRAND TOTAL.
—95,472	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431	—86,045	—78,702	—38,612	—83,150	Imperial.*
4,32,473	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561	5,51,975	7,19,130	6,38,257	11,18,269	Bengal.†
11,96,013	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495	11,72,524	23,05,017	29,11,769	20,38,203	United Provinces.
4,60,881	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703	8,03,405	753,139	9,59,728	3,58,374	Punjab.
61,52,766	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247	48,12,976	74,42,943	68,74,320	68,36,870	Burma.
...	...	...	...	...	1,06,297	63,064	1,36,087	1,65,408	1,56,177	81,109	3,62,909	5,13,914	Bihar and Orissa.
6,12,732	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729	—65,462	2,99,838	4,72,588	6,23,329	8,01,757	Assam.‡
10,58,281	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960	15,43,926	16,02,803	15,94,389	14,72,874	Central Provinces and Berar.
1,33,054	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404	2,72,522	3,26,822	2,58,732	2,52,301	Coorg.
89,564	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420	82,020	1,22,915	1,83,336	1,73,965	North-West Frontier Province.
1,620	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437	—1,707	—5,362	1,220	8,772	Ajmer.
—5,127	—6,429	—13,281	—7,820	—3,175	—8,830	—8,308	—5,322	—6,942	—6,362	—8,652	—12,065	—3,679	Baluchistan.
3,11,891	62,556	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192	8,952	2,21,059	3,95,932	5,71,557	Andamans.
—1,32,907	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474	—2,71,523	—2,97,299	—2,81,390	—2,88,965	Imperial Forest College and Research Institute.
—30,389	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353	—48,663	—47,407	—56,597	—59,110	Forest Surveys (Imperial).
1,01,85,380	85,46,323	82,13,624	85,71,826	98,59,014	96,90,621	1,17,39,944	1,19,80,308	82,30,165	92,85,015	1,36,10,103	1,44,15,746	1,37,11,952	Total.
8,10,009	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,30,852	11,79,520	17,53,448	24,38,140	16,08,940	Madras.
14,32,298	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317	20,59,225	29,54,496	29,58,308	26,21,834	Bombay.
1,24,27,687	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334	1,25,23,760	1,83,18,047	1,98,12,194	1,79,42,726	GRAND TOTAL.

Indore and Bangalore. Excludes Home charges.

G. M. Press, Simla.—No. 187R&A—11-12-20—641—J.N.M., etc.

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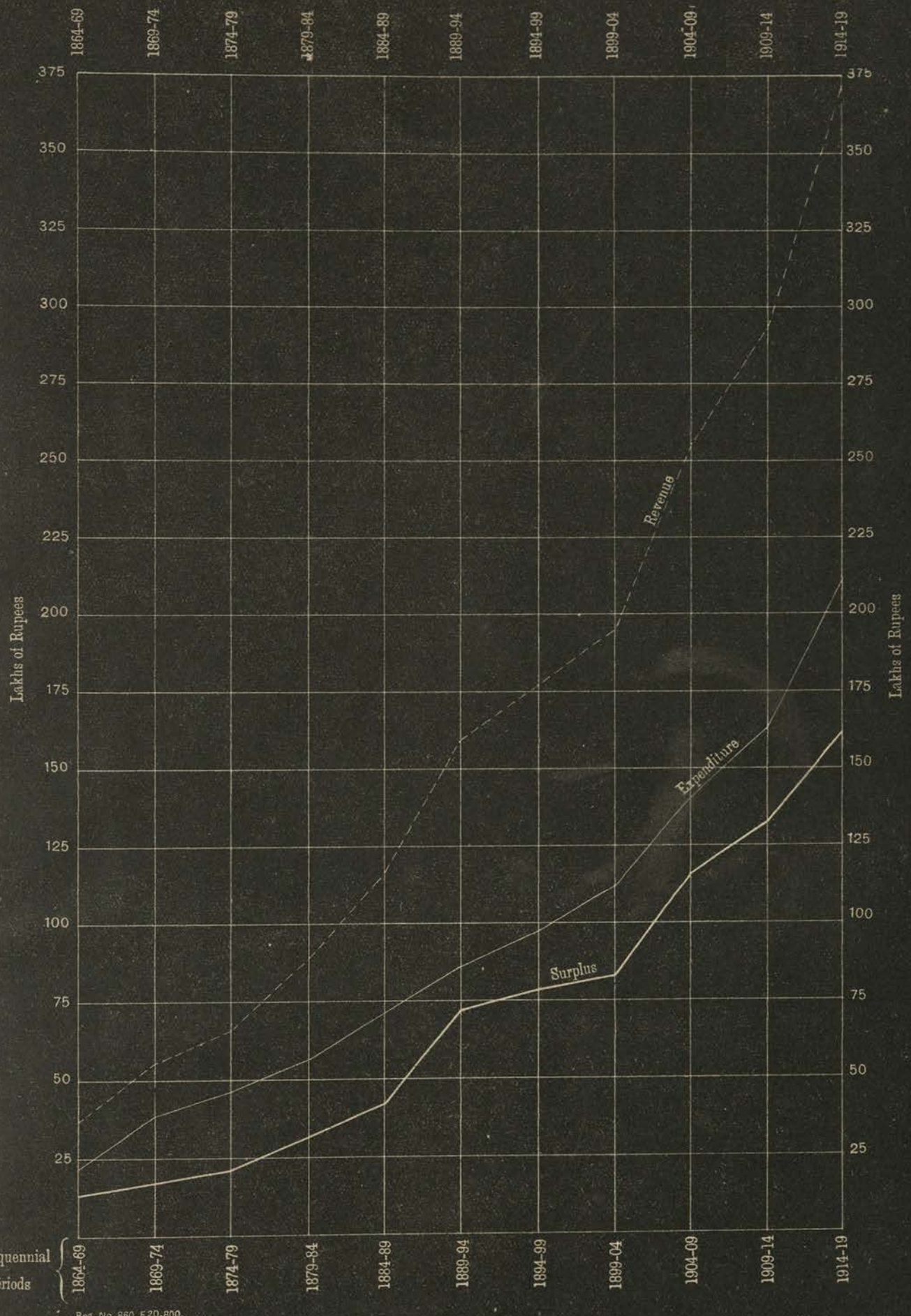
STATISTICAL DIAGRAMS RELATING TO FOREST ADMINISTRATION IN BRITISH INDIA

I. Area under the control of the Forest Department compared with the total area of British India (including the Shan States.)

Reg. No. 859 F. 20-800.

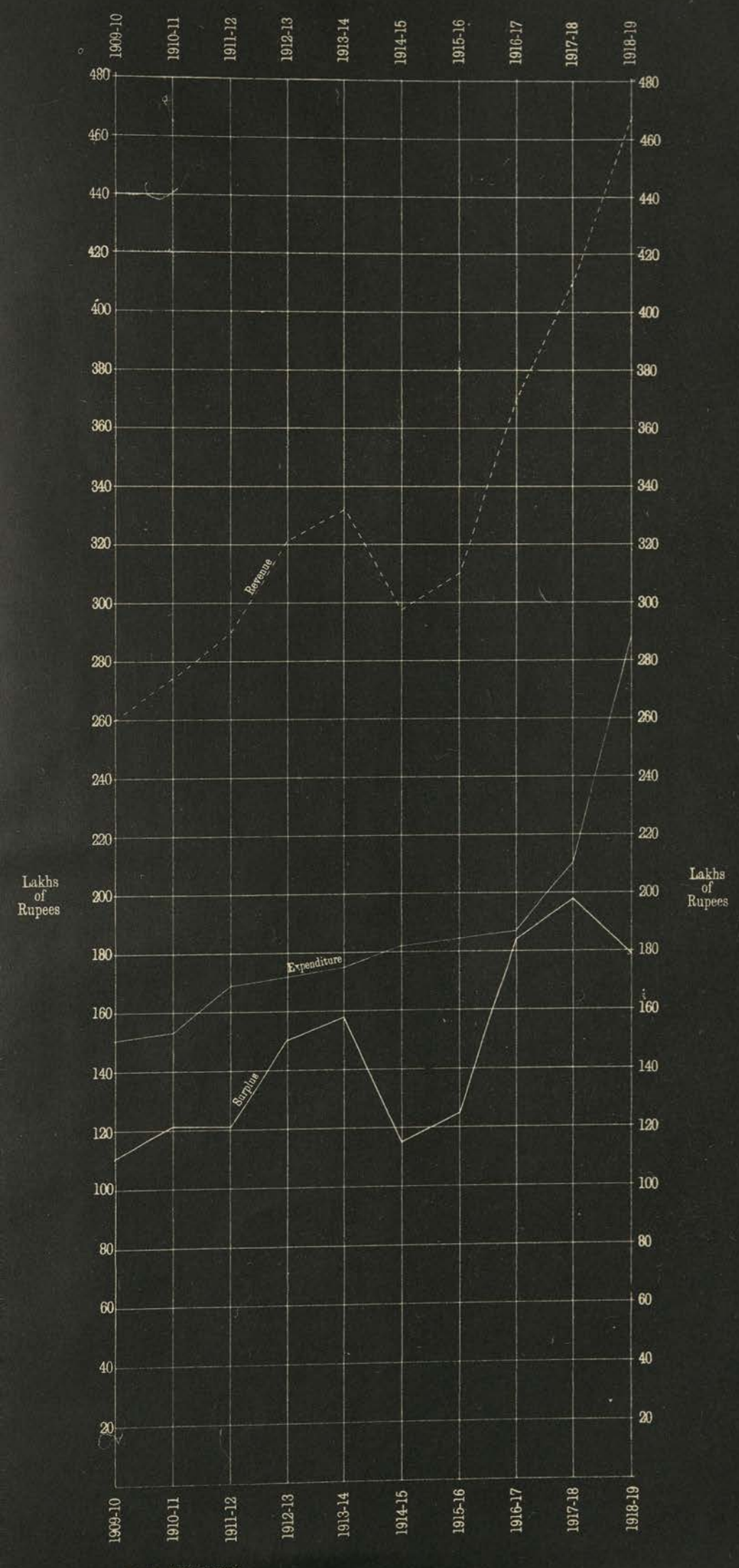
A. Reserved Forests 101,639 Sq. miles.
B. Protected do 8,557 do
C. Unclassed do 141,272 do

II. Growth of Forest Revenue & Expenditure by Quinquennial Periods since 1864-69



Reg. No. 860. F.20-800.

DIAGRAM SHOWING
ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS.
FOR THE 10 YEARS 1909-10 TO 1918-19.



Reg No 858 F 20-800

ANNUAL RETURN

OF

STATISTICS

RELATING TO

FOREST ADMINISTRATION

IN

BRITISH INDIA

FOR THE YEAR

1919-20.

SIMLA:
PRINTED AT THE GOVERNMENT MONOTYPE PRESS.
1921.

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APPENDIX.

1. Diagram showing annual forest revenue, expenditure and surplus for the 10 years 1910-1911 to 1919-20.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Bengal	78,668	(a) 4,891	(b) 1,711	4,030	10,632	13·5	(a) Excludes 18 square miles of reserved forests not under the management of the Forest Department.
United Provinces ..	106,720	(c) 6,916	496	59	7,471	7·0	(b) Excludes 54 square miles not under the control of the Forest Department.
Punjab	96,650	(d) 2,102	(e) 4,035	(f) 607	6,744	7·0	(c) Includes 156 square miles of leased forests.
Burma	226,911	29,874	..	115,890	145,764	64·2	(d) Includes 360 square miles of leased forests but excludes 111 square miles of reserved forests not under the control of the Forest Department.
Bihar and Orissa ..	82,578	1,747	(g) 1,210	10	2,967	3·6	(e) Excludes 353 square miles not under the control of the Forest Department.
Assam	48,954	5,648	..	16,250	21,898	44·7	(f) Excludes 219 square miles not under the control of the Forest Department.
Central Provinces (including Berar).	99,948	(h) 19,645	..	..	19,645	19·7	(g) Excludes 844 square miles not under the control of the Forest Department.
Coorg	1,582	520	..	..	520	32·9	(h) Excludes 23 square miles not under the control of the Forest Department.
North-West Frontier Province.	18,184	(i) 236	(j)	..	236	1·8	(i) Excludes 14 square miles of military and civil reserved forests.
Ajmer	2,767	142	(k)	..	142	5·1	(j) 121 square miles of civil protected forests are not shown.
Baluchistan (portions under British Administration).	54,228†	313	..	472	785	1·4	(k) There are only 115 acres of protected forests in Ajmer.
Andamans and Nicobars	3,143†	85	..	2,122	2,207	70·2	(l) Reserved lands.
Madras	142,263	18,794	..	(l) 565	19,359	13·6	(m) Excludes forests in charge of the Revenue Department.
Bombay (including Sind)	123,218	(m) 12,090	(m) 489	..	12,579	10·2	§Excludes 576 square miles for the Delhi Province and 49 square miles for the British Pargana of Manpur (Central India).
Total 1919-20‡ ..	1,080,814‡	103,003	7,941	140,005	250,949	23·2	‖Excludes 575 square miles for the Delhi Province and 49 square miles for the British Pargana of Manpur (Central India).
„ 1918-19 ..	1,080,794§	101,639	8,557	141,272	251,468	23·3	¶Excludes 573 square miles for the Delhi Province and 25 square miles for the British Pargana of Manpur (Central India).
„ 1917-18 ..	1,080,650‖	101,233	8,752	141,527	251,512	23·3	**Includes the area of the Shan States, 54,728 square miles. The forests of these States are under the control of the Forest Department.
„ 1916-17 ..	1,078,585¶	100,308	9,140	137,131	246,579	22·9	
„ 1915-16 ..	1,079,481**	99,205	9,712	140,083	249,000	23·1	

*Including 54,728 square miles for the Shan States.

(†)Repeated from the Census Report of 1911.

‡Excluding 575 square miles for the Delhi Province and 49 square miles for the British Pargana of Manpur (Central India.")

STATEMENT II.

Progress made in Forest Settlements during the year 1919-20.

Province.	Forest Division.	Civil district or territory.	Name of Forest.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.	Government Notification of Settlement.	
				Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.		Number.	Date.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Bengal	..	..	..	3	23	3	..	..	..	..	..
United Provinces ..	..	..	..	836	662	18	11,196	..	119*	..	..
Punjab	..	..	..	1	13	..	..	..	..	..	..
Burma	..	..	..	612	1,831	1,674	652	..	19	..	..
Bihar and Orissa ..	..	..	..	27	9	82	..	..	..	..	..
Assam	..	..	..	142	441	14	1,173	..	..	..	..
Central Provinces ..	..	..	..	8	9	2	..	..	..	..	..
Coorg	..	..	..	..	1	..	1,148	..	..	..	..
North-West Frontier Province.	..	..	..	..	..	..	..	..	..	..	..
Ajmer	..	..	..	..	..	..	..	..	..	..	..
Baluchistan ..	..	..	..	..	313	..	..	..	..	..	..
Andamans ..	..	..	..	..	85	..	..	..	..	..	..
Madras	..	..	..	141	483	94	15,747	..	..	..	..
Bombay	..	..	..	4	6	95	2,755	..	..	..	..
Total 1919-20 ..	..	..	..	1,774	3,876	1,982	32,671	..	..	..	..
,, 1918-19 ..	..	..	..	561	3,593	1,359	34,303	..	..	..	..
,, 1917-18 ..	..	..	..	885	8,654	277	29,911	..	..	..	..
,, 1916-17 ..	..	..	..	1,261	8,736	1,033	127,041	..	..	..	..
,, 1915-16 ..	..	..	..	1,988	3,981	317	84,165	..	..	..	..

* The cost of settlement of North and South Garhwal Divisions has been included in one account and the cost per square mile will be known when the settlement is completed.

STATEMENT III.

Demarcation and maintenance of boundaries.

PROVINCE.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	EXPENDITURE ON DEMARCATION DURING THE YEAR.	
								On new work.	On repairs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal	25	869	881	1,775	99	1,129	3,003	914	5,578
United Provinces ..	4	3,485	8,571	12,060	37	2,675	14,772	10,333	14,616
Punjab	130	831	7,911	8,872	48	1,252	10,172	3,440	2,652
Burma	248	3,126	14,615	17,989	478	3,292	21,759	6,564	23,317
Bihar and Orissa ..	95	3,402	1,011	4,508	..	332	4,840	1,480	740
Assam	150	1,689	432	2,271	55	2,030	4,356	2,023	7,535
Central Provinces ..	26	10,086	20,759	30,871	104	3,151	34,126	222	17,226
Coorg	..	..	480	480	..	56	536	136	60
North-West Frontier Province.	..	145	632	777	..	139	916	..	872
Ajmer	..	8	235	243	..	158	401	..	224
Baluchistan ..	..	..	460	460	..	77	537	..	..
Andamans ..	..	..	24	24	33	72	129	..	..
Madras	86	20,431	11,910	32,427	484	1,878	34,789	3,785	14,330
Bombay	101	20,433	18,409	38,943	226	2,768	41,937	1,409	3,428
Total 1919-20 ..	865	64,505	86,330	151,700	1,564	19,009	172,273	30,306	90,578
„ 1918-19 ..	1,171	60,939	89,269	151,379	1,579	18,483	171,441	24,836	93,672
„ 1917-18 ..	1,094	67,024	82,908	151,026	2,077	18,493	171,596	24,368	113,914
„ 1916-17 ..	3,057	55,758	91,851	150,666	2,508	18,334	171,508	55,417	87,732
„ 1915-16 ..	5,738	48,025	97,263	151,026	4,577	18,437	174,040	82,788	76,816

STATEMENT IV.

Forest Survey Operations.

Provinces.	Forest surveyed.	Nature of Survey Operations.						Total area of Detail Survey.		Expenditure of the year including mapping and publishing charges debitable to Forests.	Remarks.
		1" Detail Survey.		2" Detail Survey.		4" Detail Survey.		1919-1920.	Total up to date.		
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		Sq. m.	Rs.	Sq. m.	Rs.	Sq. m.	Rs.	Sq. m.	Sq. m.	Rs.	
Bengal	..	..	..	..	..	..	..	..	3,265	1,337	
United Provinces ..	Central Almora	..	..	248	79·4	..		248	5,995	1,238	
	East Almora ..	..	..	57	79·4	..	..	57			
	Naini Tal ..	..	..	36	79·4	..	..	36			
	Ranikhet ..	..	..	155	79·4	..	..	155			
	Chakrata ..	..	..	..	..	..	..	..	..	1,822	Expenditure in connection with forest surveys of 1918-19 incurred after the close of Forest year.
Punjab	..	..	..	..	..	..	..	..	4,365	1,114	
Burma	Katha ..	..	..	..	..	..	..	..	17,415	90,434	6 linear miles of boundaries and 17 linear miles of interior lines have been traversed.
	Meiktila and Southern Shan States.	..	..	82	765·1	..	..	82			150 ditto and 13 ditto.
	Tenasserim ..	281	..	..	..	..	..	281			Cost not debitable to "Forests" 14 linear miles of boundaries and 7 linear miles of interior lines have been traversed.
	Mansi ..	..	..	..	..	35	765·1	35			
Bihar and Orissa ..	..	..	..	..	..	..	..	..	1,762	70	
Assam	Cachar ..	..	..	133	63·2	..	..	133	4,172	629	27 linear miles of boundaries have been traversed.
	Khasi and Jantia Hills.	..	..	62	63·2	..	..	62			33 ditto.
	Nowgong ..	..	..	13	63·2	..	..	13			21 ditto.
	Lakhimpur ..	..	..	80	63·2	..	..	80			60 ditto.
Central Provinces ..	..	..	..	..	..	..	..	..	19,500	1,122	
Coorg	.. ..	..	..	..	..	..	..	..	478	..	
North-West Frontier Province.	..	..	..	..	..	..	..	..	445	..	
Ajmer	..	..	..	..	..	..	..	..	144	..	
Baluchistan ..	..	..	..	..	..	..	..	..	227	..	
Andamans	..	..	..	..	..	..	..	..	527	..	
Madras	Tinnevelly ..	..	..	3	12·65	..	..	3	15,813	1,559	
Bombay	..	..	..	..	..	..	..	..	12,983	..	
Total 1919-20 ..	..	281	..	869	..	35	..	1,185	87,091	99,325	Cost of mapping, publishing, and Special Surveys only, excludes Forest Map Office Headquarter charges Rs. 61,000.
„ 1918-19 ..	..	..	..	109	..	189	..	298	85,906	68,980	Ditto Rs. 60,569.
„ 1917-18 ..	..	12	..	750	..	309	..	1,071	85,608	5,174	Ditto Rs. 52,042.
„ 1916-17 ..	..	..	..	435	..	236	..	671	84,537	28,903	Ditto Rs. 48,419.
„ 1915-16 ..	..	128	..	1,220	..	671	..	2,019	83,866	45,084	Ditto Rs. 48,624.

STATEMENT V.

Progress made in Working Plans.

Province.	Area under sanctioned working plans.					Area not under working plans.				Revisions.			
				At close of year.		Plans not under Preparation.							
	At commencement of the year.	Added during the year.	Deducted during the year.	Actual Area.	Percentage of total forest area (as shown in column 10).	Plans under preparation.	Required at present.	Not required at present.	Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Per cent.	Sq. m.	Sq. m.	Sq. m.	Sq m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	4,805	27	27	4,805	45	1,628	..	4,271	10,704*	595	569	..	18,928
United Provinces ..	4,230	..	4	4,226	..	2,709	496	40	7,471	1,928	140		44
Punjab	3,843	1	1,054	2,790	41	175	..	3,779	6,744	..	1,803	..	1,795
Burma	10,887	..	..	10,887	7	328	7,111	127,438	145,764	1,039	660	..	877
Bihar and Orissa ..	1,461	..	..	1,461	49·40	24	43	1,439	2,967	400	832	..	2,521
Assam	736	..	..	736	3·4	184	2,585	18,393	21,898	240	..	..	..
Central Provinces ..	16,545	317	3	16,859	86	238	162	2,386	19,645	2,619	65	..	..
Coorg	520	..	..	520	100	..	..	..	520	..	..	..	..
North-West Frontier Province.	236	..	..	236	100	..	..	..	236	236	..	..	..
Ajmer	142	..	..	142	100	..	..	..	142	..	..	..	..
Baluchistan	..	..	..	..	..	313	..	472	785	..	..	..	..
Andamans	708	..	..	708	33·36	..	..	1,414	2,122	..	..	..	..
Madras	8,236	73	..	8,309	43	1,745	6,474	2,831	19,359	..	..	..	..
Bombay	7,841	34	34	7,841	62·3	1,360	1,280	2,098	12,579	1,995	2,850	..	
Total 1919-20 ..	60,190	452	1,122	59,520	..	8,704	18,151	164,561	250,936	9,052	6,919	..	24,165
„ 1918-19 ..	60,155	1,014	499	60.670	24·0	7,970	18,204	165,661	252,505	9,397	9,233	1,079	57,333
„ 1917-18 ..	58,557	2,282	115	60,724	24·0	7,746	18,085	166,000	252,555	9,306	10,015	..	28,996
„ 1916-17 ..	56,763	1,846	21	58,588	23·6	9,340	27,865	152,087	247,880	8,483	10,165	1,125	59,015
„ 1915-16 ..	56,151	1,340	47	57,444	23·1	11,559	17,862	163,463	250,328	11,059	8,510	770	43,392

*Excludes 18 sq. miles of reserved and 54 sq. miles of protected forests not under the control of the Forest Department.

STATEMENT VI.

Expenditure on communications and buildings.

PROVINCE.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads.	Buildings.	Roads.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	19,723	2,807	29,531	18,231	5,957	76,249
United Provinces ..	8,88,794	67,649	56,578	1,02,462	16,852	11,32,335
Punjab	42,025	25,694	15,448	24,225	6,551	1,13,943
Burma	1,02,234	1,28,325	72,774	94,847	24,445	4,22,625
Bihar and Orissa ..	16,176	26,468	15,588	25,289	3,007	86,528
Assam	18,376	11,952	20,332	18,517	9,789	78,966
Central Provinces ..	93,098	68,359	42,158	50,060	35,984	289,659
Coorg	20,890	179,131	3,494	5,529	2,880	2,11,924
North-West Frontier Province.	9,863	..	1,999	3,223	259	15,344
Ajmer	50	..	38	234	4,277	4,599
Baluchistan	..	..	159	..	..	159
Andamans	24,024	71,569	..	830	1,884	98,307
Madras	96,332	1,50,283	64,075	79,765	15,469	4,05,924
Bombay	1,69,959	2,64,313	52,493	1,69,536	22,544	6,78,845
Total 1919-20	15,01,544	9,96,550	3,74,667	5,92,748	1,49,898	36,15,407
,, 1918-19	10,86,453	9,78,215	3,10,717	5,16,577	1,29,377	30,21,339
,, 1917 18	3,52,474	4,33,281	2,80,533	4,02,362	1,19,129	15,87,779
,, 1916-17	2,24,902	3,28,397	2,61,628	3,16,192	1,03,959	12,35,078
,, 1915-16	29,9,699	2.18,516	2,46,691	3,10,047	91,133	11,66,086

STATEMENT VII.

Breaches of forest rules.

Province.		Cases pending from 1918-19.	NEW CASES OF THE YEAR.					Total cases.	DISPOSED OF DURING THE YEAR.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Conviction.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons	Cases.	Persons.	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Bengal	A	127	1	142	55	154	352	479	316	775	21	108	337	883	111
	B	116	..	873	1,106	828	2,807	2,923	2,847	4,929	..	..	2,847	4,929	73
	C	..	16	37	25	32	110	110	..	..	..	..	..	..	..
Total ..		243	17	1,052	1,186	1,014	3,269	3,512	3,163	5,704	21	108	3,184	5,812	184
United Provinces ..	A	32	25	52	27	23	127	159	91	187	24	43	115	230	44
	B	393	125	2,121	1,569	128	3,943	4 336	3,629	18,751	240	791	3,869	19,542	467
	C	..	91	303	11	8	413	413	..	..	..	..	..	..	..
Total ..		425	241	2,476	1,607	159	4,483	4,908	3,720	18,938	264	834	3,984	19,772	511
Punjab	A	222	5	105	127	189	426	648	416	960	48	315	464	1,275	159
	B	146	35	2,060	4,244	958	7,297	7,443	7,315	10,068	1	1	7,316	10,069	100
	C	..	136	3	..	..	139	139	..	..	..	..	..	..	..
Total ..		368	176	2,168	4,371	1,147	7,862	8,230	7,731	11,028	49	316	7,780	11,344	259
Burma	A	285	4	482	30	135	651	936	577	1,092	124	271	701	1,363	..
	B	669	19	3,899	331	1,264	5,513	6,182	4,993	6,918	..	..	4,993	6,918	..
	C	5	20	7	..	2	29	34	..	..	..	..	..	..	..
Total ..		959	43	4,388	361	1,401	6,193	7,152	5,570	8,010	124	271	5,694	8,281	1,191
Bihar and Orissa ..	A	118	14	125	9	16	164	282	190	704	35	138	225	842	45
	B	68	7	1,283	198	47	1,535	1,603	1,502	4,235	..	..	1,502	4,235	94
	C	..	138	3	3	1	145	145	..	..	..	..	..	..	..
Total ..		186	159	1,411	210	64	1,844	2,030	1,692	4,939	35	138	1,727	5,077	139
Assam	A	85	...	193	34	90	317	402	263	795	35	203	298	998	104
	B	60	3	349	83	135	570	630	552	1,366	..	..	552	1,366	78
	C	..	1	2	..	..	3	3	..	..	..	..	..	..	..
Total ..		145	4	544	117	225	890	1,035	815	2,161	35	203	850	2,364	182
Central Provinces ..	A	14	16	55	119	61	251	265	171	363	53	212	224	575	39
	B.	1,388	164	4,500	6,796	532	11,992	13,380	11,989	34,268	3	4	11,992	34,272	1,390
	C	..	236	362	39	13	650	650	..	..	..	..	..	..	..
Total ..		1,402	416	4,917	6,954	606	12,893	14,295	12,160	34,631	56	216	12,216	34,847	1,429
Coorg	A	..	..	1	2	..	3	3	3	3	..	..	3	3	..
	B	..	..	12	9	1	22	22	22	36	..	..	22	36	..
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..		..	..	13	11	1	25	25	25	39	..	..	25	39	..
North-West Frontier Province.	A	96	1	137	95	6	239	335	195	(a) 484	16	75	211	(a) 559	113
	B	..	..	471	679	4	1,154	1,154	1,154	2,330	..	..	1,154	2,330	..
	C	..	16	21	28	1	66	66	..	..	..	..	..	..	..
Total ..		96	17	629	802	11	1,459	1,555	1,349	2,814	16	75	1,365	2,899	113

(a) And 3 villages (number of persons not given).

STATEMENT VII—*contd.*

Breaches of forest rules—contd.

Province.		Cases pending from 1918-19.	NEW CASES OF THE YEAR.					Total cases.	DISPOSED OF DURING THE YEAR.						Cases pending at close of year.
									Conviction.		Acquittals.		Total.		
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Ajmer	A	2	2	1	11	1	15	17	10	17	..	..	10	17	7
	B	..	10	378	795	265	1,448	1,448	1,465	2,250	7	15	1,472	2,265	..
	C	..	1	1	..	..	2	2	..	..	..	..	..	..	..
Total ..		2	13	380	806	266	1,465	1,467	1,475	2,267	7	15	1,482	2,282	7
Baluchistan	A	9	..	7	8	1	16	25	16	47	5	14	21	61	4
	B	..	..	47	128	10	185	185	185	236	..	..	185	236	..
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..		9	..	54	136	11	201	210	201	283	5	14	206	297	4
Andamans	A	..	..	..	..	1	1	1	..	..	1	1	1	1	..
	B	..	..	..	..	..	..	..	..	..	..	..	..	..	
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..		..	..	..	..	1	1	1	..	..	1	1	1	1	..
Madras	A	3,497	34	4,187	1,829	336	6,386	9,883	6,962	21,337	592	2,198	7,554	23,535	2,329
	B	3,960	47	12,941	5,528	908	19,424	23,384	16,577	35,949	1,492	4,251	18,069	40,200	5,315
	C	..	1,214	342	154	17	1,727	1,727	..	..	..	..	..	..	..
Total ..		7,457	1,295	17,470	7,511	1,261	27,537	34,994	23,539	57,286	2,084	6,449	25,623	63,735	7,644
Bombay	A	404	101	320	316	62	799	1,203	813	1,843	74	246	887	2,089	307
	B	3,158	249	6,686	7,145	1,152	15,232	18,360	15,999	36,850	1	1	16,000	36,851	2,324
	C	..	1,921	1,271	51	29	3,272	3,302	..	..	..	..	..	..	..
Total ..		3,562	2,271	8,277	7,512	1,243	19,303	22,865	16,812	38,693	75	247	16,887	38,940	2,631
Grand Total ..	A	4,891	203	5,807	2,662	1,075	9,747	14,638	10,023	28,607	1,028	3,824	11,051	32,431	3,262
	B	9,958	659	35,620	28,611	6,232	71,122	81,059	68,229	158,186	1,744	5,003	69,973	163,249	9,841
	C	5	3,790	2,352	311	103	6,556	6,591	..	..	..	..	..	..	..
Total 1919-20 ..		14,854	4,652	43,779	31,584	7,410	87,425	10,227	78,252	186,793	2,772	8,887	81,024	195,680	14,294*
„ 1918-19 ..		11,238	4,275	44,013	31,756	6,941	86,985	98,223	73,477	173,767	2,687	8,407	76,164	182,174	(d) 14,864
„ 1917-18 ..		11,071	4,139	45,697	31,099	5,510	86,445	97,516	75,905	177,673	2,767	11,414	78,672	189,087	(c) 11,275
„ 1916-17 ..		10,271	4,130	50,533	32,815	5,637	93,116	103,417	70,765	165,969	12,402	29,804	83,167	195,773	(b) 11,101
„ 1915-16 ..		11,165	4,884	52,034	33,990	5,183	96,102	107,198	66,057	149,105	20,592	45,041	90,675	194,156	(a) 103,398

N. B.—A.—Cases taken into Court.
B.—Cases compounded.
C.—Undetected cases.

(*a*) Excludes 3,375 undetected cases and 1,716 cases struck off.
(*b*) „ 3,363 „ „ 1,383 „ „
(*c*) Burma has given the figures for the total of pending cases at the close of the year, *viz.*, 720, but has not shown separately "A" and "B" cases.
(*d*) Burma has not shown separately "A" and "B" cases. It has given the figures for the total of pending cases, *viz.*, 945, at the close of the year.
Burma has not shown separately "A" and "B" cases. It has given the figures for the total of pending cases *viz.*, 1,191, at the close of the year.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square Miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1918-19.	1919-20.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Bengal	625	621	12·7	3·4	0·6	
United Provinces	3,664	3,507	53·0	3·0	4·3	
Punjab	1,211	1,201	57·6	2·5	0·8	
Burma	1,277	1,215	4·3	4·9	4·9	
Bihar and Orissa	(a) 1,250	(a) 1,037	71·6	(b)	17·0	(a) Excludes protected forests under fire protection. (b) Refers to the old Province of Eastern Bengal and Assam.
Assam	198	197	3·5	2·1	0·5	
Central Provinces	10,344	10,010	52·7	1·6	3·2	
Coorg	165	128	31·7	1·5	22·4	
North-West Frontier Province	77	76	32·6	15·2	1·3	
Ajmer	141	141	99·3	·1	..	
Madras	15,391	14,308	81·9	7·4	7·0	
Bombay	11,192	10,626	92·6	4·7	5·1	
Total 1919-20	45,535	43,067	44·2	4·7	5·4	
„ 1918-19	45,990	43,966	45·2	4·6	4·4	
„ 1917-18	46,951	44,706	46·3	4·5	4·8	
„ 1916-17	48,464	46,588	48·3	4·7	3·9	
„ 1915-16	49,051	45,585	46·0	4·1	7·1	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.	No.	Sq. m.
Bengal	1	..	2	..	4	..	..	..	8	4	15	4
United Provinces ..	46	17	59	36	99	19	65	48	51	36	320	156
Punjab	19	1	5	..	106	2	58	9	14	2	202	14
Burma	6	10	12	10	39	15	15	13	41	13	113	61
Bihar and Orissa ..	7	..	7	17	13	8	1	13	65	193	93	231
Assam	..	..	..	..	3	..	1	..	1	..	5	..
Central Provinces ..	32	26	90	100	82	87	5	5	164	116	373	334
Coorg	7	5	15	32	..	..	..	..	8	..	30	37
North-West Frontier Province.	..	..	..	..	7	..	10	1	..	..	17	1
Ajmer	2	..	1	..	4	..	..	..	1	..	8	..
Baluchistan	..	..	..	..	2	..	..	..	..	..	2	..
Andamans	..	..	..	..	..	..	..	..	..	..	..	..
Madras	49	16	231	351	374	122	704	582	631	314	1,989	1,385
Bombay	50	11·4	250	42	465	88	253	38·1	1,262	398·1	2,280	577·6
Total 1919-20 ..	219	86·4	672	588	1,198	341	1,112	709·1	2,246	1076·1	5,447	2,800·6
„ 1918-19 ..	219	66·3	515	567·7	1,182	290·8	1,118	427·7	1,864	858·5	4,898	2,210·6
„ 1917-18 ..	205	44·1	549	341·0	1,060	308·2	1,158	959·5	1,920	815·8	4,892	2,469·1
„ 1916-17 ..	226	83·1	518	293·8	1,164	235·4	971	539·0	2,066	872·0	4,943	2,023·2
„ 1915-16 ..	276	155·1	692	747·8	1,447	560·9	1,272	1,002·4	2,332	1,400·9	6,019	3,806·3

STATEMENT X.

Area closed and open to grazing.

Province.	Area in sq. miles.						Total area.	Remarks.
	Closed to all animals.		Open to Grazing.					
			Of all animals.		*Of all animals except browsers (camels, sheep and goats).*			
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bengal	5,878	..	4,690	..	73	63	10,704	
United Provinces	2,241	130	3,887	..	1,207	6	7,471	
Punjab	423	81	5,432	156	545	107	6,744	
Burma	23,083	..	115,890*	149	2,308	4,334	145,764	*Unclassed forests.
Bihar and Orissa	1,318	..	675†	..	981	43	2,937	†Including unclassed forest.
Assam	4,632	111	16,685	..	470	..	21,898	
Central Provinces	3,240	154	4,788	..	11,463	..	19,645	
Coorg	78	428	..	..	14	..	520	
North-West Frontier Province ..	9	..	46	..	147	34	236	
Ajmer	8	131	..	..	3	..	142	
Baluchistan	168	..	538	36	13	..	785	
Andamans	85	..	2,122	..	..	..	2,207	
Madras	3,367	366	13,453	1,544	230	399	19,359	
Bombay	2,631	201	3,496	..	8,288	331	14,947	Includes lands (2,393 Sq. mrs.) under Revenue Department.
Total 1919-20	47,161	1,602	171,683	1,885	25,742	5,317	253,389	
„ 1918-19	46,468	2,509	174,297	1,710	24,416	5,156	254,556	
„ 1917-18	47,249	2,048	174,357	1,177	24,333	4,864	254,028	
„ 1916-17	45,765	1,863	171,882	1,736	24,026	4,853	250,125	
„ 1915-16	44,784	6,856	177,732	..	22,789	440	252,601	

STATE

Protection

PROVINCE.	GRAZED ON PAYMENT, NUMBER OF ANIMALS.									
	AT FULL RATES.					PRIVILEGED RATES.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	10)	(11)
Bengal	1,518	849	252	..	21	51	49,072	..	..	9
United Provinces ..	70,109	176,298	134,616	181	3,872	13,698	54,290	4,334	..	308
Punjab	15,051	27,096	354,550	19,203	1,172	501	7,851	360,190	132	34
Burma	4,485	34,090	909	..	16	70	70	..	..	..
Bihar and Orissa ..	7,683	32,451	4,473	..	..	125	6,137	..	..	..
Assam	82,643	51,852	413	..	753	10,689	386	..	..	..
Central Provinces ..	260,022	687,167	245,920	106	2,505	107,564	1,665,402	1,515	..	187
Coorg	295	4,199	..	..	..	..	..	..	..	..
North-West Frontier Province	1,136	560	10	..	..	..	..	..	..	..
Ajmer	660	4,391	..	24	59	1,549	6,286	..	..	..
Baluchistan	290	2,759	5,340	..	320	..	..	..	..	..
Madras	63,565	388,961	334,813	..	1	8,587	69,363	45,493	..	15,369
Bombay	23,939	(a) 86,667	72,014	1,372	4,772	115,694	(a) 935,983	208,157	..	4,630
Total 1919-20 ..	531,396	1,497,340	1,153,310	20,886	13,491	258,528	2,794,840	619,689	132	20,537
„ 1918-19 ..	592,563	1,683,407	1,245,774	38,124	11,385	325,888	3,388,985	704,311	10	17,422
„ 1917-18 ..	642,405	1,969,559	1,451,814	15,353	14,991	320,059	3,213,826	706,205	11	30,060
„ 1916-17 ..	639,633	2,178,006	1,970,641	21,929	14,520	315,515	3,358,537	646,333	188	28,494
„ 1915-16 ..	596,595	2,238,326	2,188,122	18,160	12,030	333,966	3,517,467	599,894	17	26,559

(a) Includes buffaloes in the Southern Circle.

MENT XI.

from cattle.

GRAZED FREE, NUMBER OF ANIMALS.									
BY RIGHT UNDER SETTLEMENT.					DURING PLEASURE OF GOVERNMENT OR OTHERWISE THAN UNDER SETTLEMENT.				
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
..	..	..	..	..	910	2,720	..	..	..
37,883	470,420	37,977	..	1,688	7,018	35,164	50,791	..	106
131,440	637,993	1,306,172	185	184,882	3,719	21,021	..	2,107	2,782
181,387	460,677	..	..	373	16,662	1,034	..	1,560	5,352
39,086	223,945	32,954	..	..	333	1,210	505	..	..
..	340	..	..	..	82,007	448,343	89,878	..	325
..	414	..	..	..	1,276	231,290	297	..	94
..	258	..	..	..	..	9,045	..	..	..
5,366	6,699	..	..	..	8,167	13,341	12	..	..
..	..	..	..	..	1,038	5,136	..	..	..
..	3,310	53,226	1	1,193	40	1,470	..	1,500	..
1,082	2,436	5,370	..	679	9,112	8,773	1,605	..	18
9,678	24,165	..	..	35	93,213	(a) 594,140	4,610	919	6,971
405,922	1,830,657	1,435,699	186	188,850	223,495	1,372,687	147,698	6,086	15,648
369,514	1,586,326	1,417,528	186	188,330	221,107	1,380,953	129,379	9,247	13,941
360,218	1,827,488	1,421,73	186	196,434	202,694	1,285,674	111,836	5,925	14,218
352,560	1,812,145	1,436,676	279	188,338	206,295	1,299,857	97,668	3,938	17,133
342,757	1,723,167	1,428,343	279	189,221	192,075	1,221,831	93,714	5,600	15,070

STATEMENT XII.

Area of plantations and the cost of the year's work.

Province.	Area in acres at close of the year.			Cost of operations during the year.
	Regular Plantation.	Taungyas.	Total.	
(1)	(2)	(3)	(4)	(5)
Bengal	1,443	3,100	4,543	49,867
United Provinces	(a) 20,189	..	20,189	44,278
Punjab	(b) 7,094	..	7,094	56,923
Burma	(c) 3,390	(d) 82,483	85,873	57,376
Bihar and Orissa	1,499	232	1,731	6,759
Assam	3,388	2,896	6,284	1,868
Central Provinces	1,862	(e) 7.946	9,808	1,095
Coorg	2,072	3,323	5,395	9,392
North-West Frontier Province	8	..	8	712
Ajmer	396	..	396	104
Baluchistan	..	..	..	..
Andamans	(f) 2,063	..	2,063	11
Madras	(g) 21,082	802	21,884	29,252
Bombay	(h) 1,724	539	2,263	22,615
Total 1919-20 ..	66,210	101,321	167,531	2,80,252
„ 1918-19 ..	63,568	94,446	158,014	1,91,983
„ 1917-18 ..	64,104	88,821	152,925	1,76,526
„ 1916-17 ..	71,281	88,184	159,465	1,73,774
„ 1915-16 ..	69,496	86,031	155,527	1,43,177

(a) 792 acres excluded during the year.
(b) 317 acres excluded during the year.
(c) 593 acres excluded during the year.
(d) 2,224 acres excluded during the year.
(e) 91 acres excluded during the year.
(f) 500 acres excluded during the year.
(g) 2,365 acres excluded during the year.
(h) 561 acres excluded during the year.

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average outturn per square mile.							
									Reserved forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal ..	20,196,000*	4,57,776	1,546,000	16,730	735,000	23,973	22,477,000	4,98,479	4,129	94	904	10	18	6	2,114	47
United Provinces	33,413,000†	27,81,201	7,57,000	1,732	49,000	3,139	34,219,000	27,86,072	4,331	402	1,526	3	83	53	4,580	373
Punjab ..	10,392,000	13,27,061	18,668,000	12,38,564	6,180,000	75,882	35,240,000	26,41,507	494	631	4,627	307	10,181	125	5,225	392
Burma ..	30,225,000	5,36,956	..	..	70,715,000	5,89,072	100,940,000	11,26,028	1,012	18	..	..	610	5	692	8
Bihar and Orissa	4,768,000	1,19,149	15,351,000	1,45,698	455,000	793	20,574,000	2,65,640	2,729	68	12,687	120	45,500	79	6,934	90
Assam ..	3,357,000	1,07,471	..	..	10,827,000	10,74,552	14,184,000	11,82,023	594	19	..	..	666	66	648	54
Central Provinces	35,562,000	27,51,510	..	..	..	..	35,562,000	27,51,510	1,810	140	..	..	..	..	1,810	140
Coorg ..	234,799	31,952	43,337	662	..	..	2,78,136	32,614	452	61	..	..	..	..	535	63
North-West Frontier Province.	2,784,000‡	29,843	..	..	..	..	2,784,000	29,843	11,797	126	..	..	..	..	11,797	126
Ajmer ..	149,768	60,026	..	498	..	..	149,768	60,524	1,055	423	..	..	..	..	1,055	426
Baluchistan ..	89,807	44,975	..	....	192,122	11	231,929	44,986	127	144	..	..	407	..	295	57
Andamans .	622,000	946	..	..	1,279,000	1,021	1,901,000	1,967	7,318	11	..	..	603	1	861	1
Madras ..	20,010,000	24,68,022	..	..	6,210,000	3,16,357	26,220,000	27,84,379	1,065	131	..	..	10,991	560	1,354	144
Bombay ..	43,604,000	13,51,046	151,000	72,080	..	..	44,755,000	14,23,126	3,607	112	2,354	147	..	..	3,558	113
Total 1919-20 ..	205,357,374	93,16,424	37,516,337	14,75,964	96,642,122	20,84,800	339,515,833	1,28,77,188	1,994	91	4,724	186	690	15	1,353	51
„ 1918-19 ..	215,356,096	1,08,18,246	38,725,668	10,54,538	89,769,154	23,31,804	343,850,918	1,42,04,588	2,119	106	4,526	123	635	17	1,367	56
„ 1917-18 ..	212,511,559	1,05,20,099	39,019,024	13,27,410	77,135,796	18,28,159	3,28,666,379	1,36,75,668	2,099	104	4,459	152	545	13	1,307	54
„ 1916-17 ..	192,371,761	97,12,650	36,800,968	13,28,362	77,696,669	14,15,584	306,869,308	1,24,56,596	1,918	97	4,026	145	567	10	1,245	51
„ 1915-16 ..	179,458,949	88,90,881	36,511,983	13,82,726	70,245,179	14,07,130	286,216,111	1,16,80,737	1,809	90	3,759	142	501	10	1,149	47

* Includes leased forests.

† Excludes guzara forests.

‡ Excludes shared forests.

STATEMENT XIV.

Forest produce removed by different agencies.

PART I.—*Timber and Fuel.*

PROVINCE.	TIMBER.					FUEL.				
	By Government.	By purchasers.	By free grantees.	By right holders.	TOTAL.	By Government.	By purchasers.	By free grantees.	By right holders.	TOTAL.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	Cs. ft.	C. ft.	C. ft.
Bengal	359,000	8,843,000	42,000	..	9,244,000	247,000	10,701,000	2,285,000	..	13,233,000
United Provinces	771,000	7,272,000	137,000	552,000	8,732,000	715,000	6,671,000	526,000	17,575,000	25,487,000
Punjab	2,020,000	4,817,000	77,000	804,000	7,718,000	2,293,000	1,243,000	244,000	23,742,000	27,522,000
Burma	6,231,000	37,859,000	685,000	1,354,000	46,129,000	8,461,000	43,390,000	1,125,000	1,835,000	54,811,000
Bihar and Orissa	24,000	1,491,000	22,000	201,000	1,738,000	1,000	4,278,000	40,000	14,517,000	18,836,000
Assam	385,000	4,937,000	732,000	..	6,054,000	79,000	2,711,000	5,331,000	9,000	8,130,000
Central Provinces	1,099,000	7,606,000	180,000	66,000	8,951,000	936,000	23,679,000	1,330,000	666,000	26,611,000
Coorg	143,640	16,434	..	..	160,074	33,687	84,375	..	..	118,062
North-West Frontier Province	267,000	776,000	46,000	4,000	1,093,000	197,000	78,000	1,238,000	316,000	1,829,000
Ajmer	22	2,799	..	160	2,981	32,346	109,618	4,823	..	1,46,787
Baluchistan	332	1,943	673	..	2,948	21,707	207,274	..	..	228,981
Andamans	974,000	23,000	16,000	37,000	1,050,000	454,000	15,000	128,000	254,000	851,000
Madras	919,000	3,117,000	125,000	71,000	4,232,000	1,974,000	19,653,000	7,000	354,000	21,988,000
Bombay	1,737,000	3,923,000	54,000	..	5,714,000	6,773,000	24,906,000	60,000	7,302,000	39,041,000
Total 1919-20 ..	14,929,994	80,685,176	2,116,673	3,089,160	100,821,003	22,217,740	137,726,267	12,318,823	66,570,000	238,832,830
„ 1918-19 ..	14,349,698	72,234,366	1,881,782	3,050,354	91,516,140	25,573,610	147,424,956	11,602,212	68,206,000	252,806,778
„ 1917-18 ..	12,875,227	78,867,653	1,971,687	3,579,204	97,293,771	14,516,735	140,544,235	9,557,638	67,105,000	231,723,608
„ 1916-17 ..	9 426,753	74,767,326	1,980,778	3,904,753	90,079,610	12,332,340	134,200,227	9,229,566	61,322,000	217,134,133
„ 1915-16 ..	8,666,189	66,998,444	2,065,791	3,473,887	80,304,311	12,001,836	124,187,363	10,850,372	59,433,459	206,473,030

LIBRARY OF THE ROYAL

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—contd.

PART II.—*Value of minor forest produce.*

PROVINCE.	BAMBOOS.					GRAZING AND FODDER GRASS.					OTHER MINOR PRODUCE.				
	By Government	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	118	1,09,712	427	..	1,10,257	..	35,125	25,111	..	60,236	85,464	2,21,888	20,634	..	3,27,986
United Provinces ..	143	1,86,209	126	6,365	1,92,843	5,531	1,74,850	7,868	2,57,097	4,45,346	18,02,966	2,89,961	5,563	49,393	21,47,883
Punjab	98,349	1,124	1	822	1,00,296	..	1,98,120	40,212	19,84,867	22,23,199	2,48,117	25,122	20	44,753	3,18,012
Burma	873	3,13,454	339	18,173	3,32,839	..	15,586	55,163	1,98,474	2,69,223	8,444	4,20,445	500	94,576	5,23,965
Bihar and Orissa ..	6,004	30,718	281	22,003	59,006	..	7,564	1,036	79,394	87,994	18	97,761	24	20,837	1,18,640
Assam	80	41,737	16,718	..	58,535	..	3,01,021	4,56,759	127	7,57,907	10,478	1,49,503	2,05,600	..	3,65,581
Central Provinces ..	10,115	2,69,535	6,665	3,931	2,90,246	8,946	14,75,791	1,34,485	1,369	16,20,591	4,85,791	3,33,112	18,285	3,485	8,40,673
Coorg	..	1,858	..	..	1,858	..	1,168	..	..	1,168	..	29,588	..	..	29,588
North-West Frontier Province.	..	..	..		..	..	1,009	17,966	5,712	24,687	3,498	1,558	..	100	5,156
Ajmer	29	960	..	..	989	2,381	1,851	1,352	50,966	56,550	1,020	1,965	..	..	2,985
Baluchistan ..	..	..	..	..	..	..	1,870	1,157	41,470	44,497	19	292	178	..	489
Andamans ..	29	26	132	99	286	..	..	..	..	..	110	87	1,355	129	1,681
Madras	34,408	3,13,151	825	524	3,48,908	52,229	9,10,897	17,409	1,645	9,82,180	59,904	13,67,629	1,572	24,186	14,53,291
Bombay	24,974	81,868	5,622	7,000	1,19,464	110,865	5,19,543	6,011	3,98,972	10,35,391	20,156	2,04,009	1,258	42,848	2,68,271
Total 1919-20 ..	1,75,122	13,50,352	31,136	58,917	16,15,527	1,79,952	36,44,395	7,64,529	30,20,093	76,08,969	27,25,985	31,42,920	2,54,989	2,80,307	64,04,201
" 1918-19 ..	2,24,783	13,04,361	32,057	60,223	16,21,424	1,76,977	36,64,113	7,69,976	30,28,511	76,39,577	16,48,808	26,87,996	2,85,657	3,25,806	49,48,267
" 1917-18 ..	1,81,822	12,91,986	22,568	63,568	15,59,944	65,204	35,47,175	6,91,323	30,12,452	73,16,154	15,49,180	27,31,450	2,42,627	2,76,201	47,99,458
" 1916-17 ..	34,860	13,39,506	20,376	58,803	14,53,545	6,559	33,82,113	6,45,729	30,22,383	70,56,684	8,75,284	25,59,752	2,66,010	2,45,708	39,46,754
" 1915-16 ..	27,668	11,80,035	10,822	52,962	12,71,487	78,442	32,45,767	5,96,750	30,01,400	69,22,359	6 13 596	23,64,610	2.50,750	2,58,387	34,87,343

STATEMENT XV.

Exports of forest produce.

ARTICLES OF FOREST PRODUCE.	QUANTITY IN TONS OF 20 CWT. IN THE CASE OF TEAK AND OTHER TIMBERS, CUBIC TONS.		VALUATION AT PORT OF SHIPMENT IN 1919-20.	
	Average of 5 years 1914-15 to 1918-19.	In 1919-20.	Total.	Per ton.
(1)	(2)	(3)	(4)	(5)
			Rs.	Rs.
Caoutchouc, raw	3,472	5,625	1,68,76,564	3,000
Lac .. Button	475	677	26,40,673	3,900
Lac .. Shell	15,034	16,948	6,86,09,165	4,048
Lac .. Stick, seed and other kinds ..	1,760	1,160	13,87,327,	1,196
Cutch and gambier	3,681	2,788	13,86,380	497
Myrabolans	52,900	92,901	1,01,31,202	109
Cardamoms	245	828	26,45,824	3,195
Sandal	(a)	509	9,32,054	1,831
Ebony and other ornamental woods	(a)	(a)	91,452	..
Teak	29,256	52,610	1,25,46,072	238
Other timbers	3,036	6,902	5,79,925	84
Total, 1919-20	..	..	11,78,26,638	..
„ 1918-19	..	..	6,78,92,745	..
„ 1917-18	..	..	6,46,30,998	..
„ 1916-17	..	..	2,99,84,737	..
„ 1915-16	..	..	4,79,30,443	..

(a) Quantity (whether by weight or measurement) is not recorded.

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	3,744	41,529	54,148	37,146	20,637	1,57,204
United Provinces	73,835	1,50,687	6,491	2,64,965	54,956	5,50,934
Punjab	35,690	8,66,606	823	20,25,079	44,773	29,72,971
Burma	1,99,457	17,227	20,934	3,90,056	82,206	7,09,880
Bihar and Orissa	17,207	1,63,788	22,284	80,430	22,282	3,05,991
Assam	50,428	53,900	16,736	4,71,364	2,05,600	7,98,028
Central Provinces	16,287	73,197	17,596	8,62,109	30,809	9,99,998
Coorg	..	..	..	2,327	..	2,327
North-West Frontier Province	6,819	43,507	..	23,678	100	74,104
Ajmer	..	..	..	52,317	..	52,317
Baluchistan	420	..	..	42,608	197	43,225
Andamans	1,592	9,547	232	..	1,484	12,855
Madras	22,881	186	1,349	19,054	25,758	69,228
Bombay	92,313	9,42,256	27,625	7,24,183	2,24,107	20,10,484
Total, 1819-20 ..	5,20,673	23,62,430	1,68,218	49,95,316	7,12,909	87,59,546
„ 1918-19 ..	6,36,817	23,74,312	1,69,588	50,79,417	7,82,103	90,42,237
„ 1917-18 ..	7,26,398	23,84,578	1,56,197	50,41,213	6,96,633	90,05,019
„ 1916-17 ..	7,63,685	23,58,964	1,37,104	46,31,902	7,05,309	85,96,964
„ 1915-16 ..	7,47,553	23,35,459	1,08,415	45,92,908	7,32,981	85,17,316

STATEMENT XVII.

Details of revenue and expenditure for the Forest year 1919-20.

					Rs.
Gross Receipts	(*a*) Wood				3,98,07,821
	(*b*) Minor forest produce				38,42,895
	(*c*) Forest stamps and commutation fees for forest produce				1,00,551
	(*d*) Grazing				35,98,575
	(*e*) Revenue from forests not managed by Government				3,72,572
	(*f*) Miscellaneous				45,20,785
			Total Revenue		5,22,43,199
Expenditure	A. Recurring	(*a*) Administration.	(*i*) Superior Staff		45,03,416
			(*ii*) Subordinate Staff (including Rangers, Foresters and Guards).		49,10,652
			(*iii*) Office Establishments (including Contingencies).		23,92,367
		(*b*) Working	(1) Extraction		96,11,089
			(2) Roads and Buildings		34,05,054
			(3) Fire protection		4,70,252
			(4) Cultural operations		10,02,025
			(5) Live-stock, stores and plant		17,67,653
			(6) Working Plan		69,169
			(7) Rent for leased forests		3,52,621
			(8) Miscellaneous		9,45,013
		(*c*) Expenditure on realization of revenue from forests not managed by Government.			19,491
		(*d*) Forest Science and Education (including all "A" and "B" charges of Imperial Forest College and Research Institute.)*			4,29,220
			Total		2,98,78,022
	B. Extraordinary	(*e*) Forest Settlement			1,00,970
		(*f*) Forest Survey			1,59,911
		(*g*) Forest Demarcation			2,01,937
			Total		4,62,818
			GRAND TOTAL OF EXPENDITURE		3,03,40,840
			Net Revenue		2,19,02,359

* Expenditure under this head in provinces has been included in (*a*) Administration.

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma.	Bihar and Orissa.	Assam.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
REVENUE.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Timber and other produce removed from the forests by Government agency.	17,868	4,43,039	20,65,941	24,49,055	47,64,866	7,840	2,10,859
II.—Timber and other produce removed from the forests by consumers or purchasers.	4,254	15,18,015	51,59,144	7,94,903	1,09,22,396	7,75,161	10,90,654
III.—Drift and waif wood and confiscated forest produce.	..	8,588	6,247	1,02,341	2,65,172	10	16,643
IV.—Revenue from forests not managed by Government.	..	..	29,015	7,105	2,03,487	..	47,670
V.—Miscellaneous	2,405	81,595	2,11,607	4,92,474	2,79,341	34,447	1,15,764
Total Revenue ..	(a) 24,527	20,51,237	74,71,954	38,45,878	1,64,35,262	8,17,458	14,81,590
EXPENDITURE.							
A.—Conservancy and Works.							
I.—Timber and other produce removed from the forest by Government agency.	3,919	1,75,549	23,29,627	9,74,107	22,67,736	3,777	1,02,558
II.—Timber and other produce removed from the forests by consumers or purchasers.	..	1,30,864	88,306	1,799	1,76,608	18,341	43,690
III.—Drift and waif wood and confiscated forest produce.	..	1,669	1,767	38,052	84,698	3	1,020
IV.—Revenue from forests not managed by Government.	..	..	7,106	..	351	..	6,586
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	..	374	1,73,703	37,089	3,048	...	39,217
VI.—Live-stock, stores, tools and plant	..	22,237	8,00,326	1,31,639	2,27,459	5,834	37,027
VII.—Communications and buildings ..	469	76,899	10,11,266	1,06,851	4,21,670	90,750	76,808
VIII.—Demarcation, improvements and extension of forests.	429	93,861	3,35,623	1,24,410	3,73,273	61,906	27,463
IX.—Miscellaneous	..	13,573	73,320	3,56,752	82,721	9,591	14,778
Total A.—Conservancy and Works ..	(b) 4,817	5,15,026	48,21,044	17,70,699	36,37,564	1,90,202	3,49,147
B.—Establishments.							
I.—Salaries	1,26,442	3,62,714	10,15,968	5,18,632	22,98,250	2,67,012	3,82,445
II.—Travelling Allowances	282	70,438	1,72,820	74,505	3,90,446	37,329	62,996
III.—Contingencies	1,236	24,129	1,45,643	52,284	2,11,940	12,257	27,129
Total B.—Establishments ..	(c) 1,27,960	4,57,281	13,34,431	6,45,421	29,00,636	3,16,598	4,72,570
Grand Total of Expenditure ..	1,32,777	9,72,307	61,55,475	24,16,120	65,38,200	5,06,800	8,21,717
Surplus ..	..	10,78,930	13,16,479	14,29,758	98,97,062	3,10,658	6,59,873
Deficit ..	1,08,250	..	..	..	..	..	..
Proportion of surplus to gross revenue	..	53	18	37	60	38	45
Net revenue per square mile of forest area under control of Forest Department.	..	102	176	212	68	105	30

(a) Includes revenue derived
(b) Includes expenditure on
(c) Includes expenditure on

MENT XVIII.

Forest Department in India for the financial year 1919-1920.

Central Provinces.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	South and North Andamans.	Forest College and Research Institute.	Forest Surveys (Imperial).	Madras.	Bombay.	TOTAL.
(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
7,61,708	8,59,507	2,38,024	13,823	7,457	7,82,696	..	..	21,39,207	36,58,890	1,84,20,780
35,34,445	59,026	1,96,186	15,808	3,383	3,359	..	..	36,52,801	45,70,027	3,22,99,562
1,515	..	2,207	..	..	..	..	..	18,828	4,704	4,26,255
5,795	..	6,299	..	5,327	..	..	..	..	10,996	3,15,694
2,43,260	29,495	19,825	5,283	1,770	14,740	8,308	..	4,23,313	2,49,821	22,13,448
45,46,723	9,48,028	4,62,541	34,914	17,937	8,00,795	8,308	..	62,34,149	84,94,438	5,36,75,739
1,38,053	54,153	1,65,880	5,203	3,836	5,11,822	..	..	3,33,818	27,96,527	98,66,565
1,53,422	..	342	462	10	435	..	..	1,16,286	64,112	7,94,677
89	..	720	..	..	..	..	..	1,367	173	1,29,558
..	..	..	..	99	..	..	..	..	..	14,142
..	..	31,026	12,987	..	..	..	..	4,663	34,163	3,36,270
68,701	51,269	2,874	204	111	1,63,912	8,119	..	2,35,529	53,911	18,09,152
2,87,992	2,43,439	11,724	4,942	172	61,090	9,249	..	4,03,070	7,66,384	35,72,775
1,78,984	48,577	3,298	1,303	48	1,29,372	..	59,953	3,98,424	2,40,677	20,77,601
30,885	10,416	2,418	251	..	6,515	35,943	..	1,05,922	88,297	8,31,382
8,58,126	4,07,854	2,18,282	25,352	4,276	8,73,146	53,311	59,953	15,99,079	40,44,244	1,94,32,122
12,53,054	80,231	69,585	18,305	19,055	85,107	2,12,401	..	16,04,860	15,60,911	98,74,972
1,46,769	14,612	7,449	2,181	1,445	10,603	27,752	..	3,19,102	2,38,228	15,76,957
1,18,281	4,850	6,137	1,444	538	2,635	25,039	..	1,70,307	75,299	8,79,148
15,18,104	99,693	83,171	21,930	21,038	98,345	2,65,192	..	20,94,269	18,74,438	1,23,31,077
23,76,230	5,07,547	3,01,453	47,282	25,314	9,71,491	3,18,503	59,953	36,93,348	59,18,682	3,17,63,199
21,70,493	4,40,481	1,61,088	..	..	..	..	..	25,40,801	25,75,756	2,25,81,379
..	..	..	12,368	7,377	1,70,696	3,10,195	59,953	..	..	6,68,839
48	46	35	..	..	..	..	..	41	30	41
111	847	683	..	..	..	..	..	131	205	87

from Indore, Rajputana, and Bangalore.
account of Indore and Bangalore.
account of Indore and Rajputana.

Revenue, expenditure and surplus of the Forest Department throughout India for the 21 financial years

PROVINCE.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.
													(I) REVE
Imperial*	Rs. 2,175	Rs. 31,717	Rs. 25,429	Rs. 10,866	Rs. 5,147	Rs. 9,688	Rs. 6,090	Rs. 2,433	Rs. 3,484	Rs. 3,659	Rs. 7,455	Rs. 3,768	Rs. 7,255
Bengal†	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910	12,33,339	12,92,237	12,56,247	10,65,523	11,67,472	11,18,542
United Provinces ..	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740	15,65,463	17,15,508	20,25,324	22,80,446	23,97,318	24,33,428
Punjab	6,87,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770	13,50,842	14,47,558	15,86,408	17,17,797	18,74,443	17,81,653
Burma	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050	80,54,444	58,73,938	67,39,053	82,68,535	89,59,756	1,03,29,869
Bihar and Orissa ..	...	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100	5,49,521	5,12,963	5,80,200	6,75,732	8,15,677	11,06,096
Central Provinces ..	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490	12,65,614	15,79,116	16,84,428	19,98,032	20,13,450	24,49,131
Coorg	93,491	78,887	1,03,170	1,13,024	1,53,136	1,33,456	1,62,410	1,37,596	1,70,242	1,90,730	2,24,031	1,93,087	2,45,419
North-West Frontier Province.	...	...	...	...	...	...	...	...	13,012	1,01,123	1,01,833	90,991	1,28,529
Ajmer	65	1,152	4,475	11,859	15,233	14,162	10,270	10,646	6,865	9,736	13,884	17,297	15,002
Baluchistan	...	...	8,556	10,973	17,998	15,330	17,060	16,956	14,712	19,336	18,363	22,555	21,481
Andamans	5,467	4,485	34,840	57,633	2,79,023	2,54,438	2,60,600	2,77,886	2,66,903	3,26,035	4,32,381	6,20,796	5,82,511
Imperial Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210	3,697	3,545	3,252	3,038	3,557	3,080
Forest Surveys (Imperial).	...	17	139	206	668	300	420	327	473	3,034	431	...	...
Madras	6,03,243	5,83,389	8,06,020	13,00,481	17,14,328	21,10,988	23,02,290	23,40,170	25,43,430	26,13,819	26,57,727	28,29,216	29,67,604
Bombay	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200	29,61,529	23,79,729	23,29,156	27,51,539	30,20,558	38,84,993
GRAND TOTAL ..	56,30,061	66,60,397	88,17,213	1,16,63,148	1,59,49,014	1,77,15,756	1,90,09,61)	1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950	2,66,74,593
													(II) EXPENDI
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550	83,578	79,539	85,017	89,345	83,053	83,767
Bengal†	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210	5,70,806	6,57,131	6,38,014	7,03,508	6,88,589	5,93,509
United Provinces ..	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380	9,63,439	10,08,739	10,13,998	10,81,438	13,91,583	14,05,182
Punjab	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460	8,87,343	9,38,335	9,60,095	11,56,415	10,12,354	12,65,664
Burma	4,02,847	6,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440	26,54,717	24,46,457	28,90,263	33,52,404	34,46,924	39,38,063
Bihar and Orissa ..	...	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	88,293	1,62,460	2,11,655	2,68,159	2,36,870	3,57,140	3,47,972	3,29,112	3,27,493	4,25,484	5,03,656	5,93,910
Central Provinces ..	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820	11,65,866	12,00,904	12,57,238	12,80,966	13,20,615	13,07,153
Coorg	40,684	36,591	62,248	73,907	77,016	82,146	74,220	70,905	82,333	89,437	92,191	83,820	95,748
North-West Frontier Province.	...	...	...	...	...	...	...	...	19,510	54,086	60,603	74,958	95,258
Ajmer	6,197	18,692	13,197	17,620	14,061	16,722	15,350	16,782	15,927	16,377	16,680	15,641	17,131
Baluchistan	...	...	12,594	16,130	39,452	33,508	28,630	29,254	24,480	23,240	21,697	24,672	25,743
Andamans	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940	1,40,137	2,04,667	2,81,702	2,66,121	3,42,431	3,35,985
Imperial Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550	71,238	76,290	66,333	59,339	61,424	80,669
Forest Surveys (Imperial)	11,911	63,288	40,447	24,477	24,491	31,936	33,980	33,991	33,730	33,985	33,935	28,229	30,044
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530	17,15,431	17,09,554	18,35,552	17,50,930	19,86,098	22,66,602
Bombay	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430	24,08,581	17,19,680	16,76,441	17,75,937	19,03,804	21,26,093
GRAND TOTAL ..	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680	1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856	1,42,58,521
													(III) SUR
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460	—81,115	—76,055	—81,358	—81,890	—79,290	—76,512
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700	6,62,533	6,35,106	6,18,233	3,62,015	4,78,883	5,25,033
United Provinces ..	2,96,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360	6,02,024	7,06,769	10,11,326	11,99,008	10,05,735	10,28,246
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310	4,63,499	5,09,223	6,26,313	5,61,382	8,62,089	5,17,989
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610	53,99,727	32,27,481	38,48,790	49,16,131	55,12,332	63,91,806
Bihar and Orissa ..	...	...	...	...	...	...	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960	2,01,549	1,83,851	2,52,701	2,50,248	3,12,021	5,12,186
Central Provinces ..	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670	99,748	3,78,212	4,27,140	7,17,066	6,92,844	11,41,978
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190	66,691	87,909	1,01,293	1,31,840	1,09,267	1,49,671
North-West Frontier Province.	...	...	...	...	...	...	...	...	6,498	47,038	41,230	16,033	33,271
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080	—6,136	—9,062	—6,641	2,796	1,656	—2,129
Baluchistan	...	...	—4,038	5,157	—21,454	—18,178	—11,620	—12,298	—9,768	—3,904	3,334	—2,117	—4,262
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660	1,37,749	62,236	44,333	1,66,260	2,78,365	2,46,526
Imperial Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340	—67,541	—72,745	—63,086	—56,301	—57,867	—77,589
Forest Surveys (Imperial)	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560	—33,664	—33,257	—30,951	—33,504	—28,229	—30,044
Madras	1,46,409	11,413	1,35,360	2,32,960	4,29,215	6,04,232	6,48,760	6,24,739	8,33,876	7,78,267	9,06,797	8,43,118	7,01,002
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770	5,52,948	6,60,040	6,52,715	9,75,602	11,16,954	13,58,900
GRAND TOTAL ..	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930	86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094	1,24,16,072

*Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests' Office Establishment, and undistributable and petty local items and revenues and charges, on
†Includes figures up to 1910-11 for districts subsequently transferred to Bihar and Orissa.
‡Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred to Bengal.

MENT XIX.

from 1899-1900 to 1919-20 and the average of 6 quinquennial years from 1869-70 to 1898-99.

1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	PROVINCE.
NUE.														
Rs. ..	Rs. 7,666	Rs. 8,189	Rs. 10,632	Rs. 8,662	Rs. 10,680	Rs. 12,837	Rs. 11,471	Rs. 12,017	Rs. 23,457	Rs. 24,546	Rs. 51,720	Rs. 27,488	Rs. 24,527	Imperial.*
10,65,859	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496	11,45,610	13,38,779	13,76,939	19,44,104	20,51,237	Bengal.†
25,02,664	24,99,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,437	31,35,235	37,38,331	59,40,932	61,16,697	66,37,165	74,71,954	United Provinces.
16,05,284	14,57,449	12,88,792	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943	14,38,005	17,27,283	16,87,891	21,17,776	21,54,178	38,45,878	Punjab.
98,12,519	86,63,989	91,92,032	93,58,077	10,07,117	99,67,594	1,09,22,393	1,14,25,430	97,07,694	96,99,217	1,23,79,531	1,23,61,499	1,25,28,852	1,64,35,262	Burma.
..	..	..	..	..	4,07,213	4,38,958	4,91,735	5,49,779	5,17,727	5,23,031	7,53,625	9,44,763	8,17,458	Bihar and Orissa.
13,26,592	14,30,447	14,46,368	15,54,732	18,90,635	11,46,320	11,42,091	10,97,969	8,32,877	10,55,052	11,48,621	13,09,956	14,92,718	14,81,590	Assam.‡
24,01,159	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529	32,78,262	33,71,578	34,66,493	34,88,422	45,46,723	Central Provinces and Berar.
2,35,909	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237	4,49,155	4,87,314	4,58,673	6,77,873	9,48,028	Coorg.
1,83,214	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,013	1,86,815	2,40,985	3,37,711	3,81,322	4,62,541	North-West Frontier Province.
18,335	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170	23,445	21,272	27,733	37,280	34,914	Ajmer.
21,195	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058	21,633	18,277	17,934	25,108	17,937	Baluchistan.
6,07,027	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248	4,34,781	6,49,711	7,93,656	11,84,383	8,00,795	Andamans.
4,579	6,137	4,680	4,909	4,080	5,550	7,611	5,809	8,617	6,995	8,199	8,304	9,083	8,308	Imperial Forest College and Research Institute.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Forest Surveys (Imperial).
32,90,669	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320	39,41,537	41,06,838	45,96,126	54,58,439	47,91,460	62,34,149	Madras.
34,22,481	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242	47,01,263	55,19,177	63,12,022	1,04,94,031	84,94,438	Bombay.
2,64,91,486	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545	2,97,09,784	3,11,16,367	3,70,61,930	4,09,69,257	4,68,18,231	5,36,75,739	GRAND TOTAL.
TURE.														
95,472	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478	1,09,502	1,03,248	90,332	1,10,638	1,32,777	Imperial.*
6,33,386	7,13,394	5,83,981	5,91,093	6,43,285	7,06,374	6,60,794	6,40,157	6,70,935	5,93,635	6,19,649	7,38,712	8,25,835	9,72,307	Bengal.†
13,06,651	11,94,013	12,22,436	12,09,308	12,37,938	13,63,673	16,29,234	18,96,014	23,17,740	25,66,307	27,35,915	32,04,928	45,98,963	61,55,475	United Provinces.
11,44,403	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302	9,23,878	9,34,662	11,58,048	17,95,804	24,16,120	Punjab.
36,59,753	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,33,534	42,74,901	46 80,447	48,86,241	49,36,588	54,87,179	56,91,982	65,38,200	Burma.
..	..	..	..	..	3,00,916	3,75,894	3,55,648	3,84,371	3,61,550	4,47,972	3,90,716	4,30,849	5,06,800	Bihar and Orissa.
7,07,860	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,03,911	9,10,240	8,98,339	7,55,214	6,76,033	6,86,627	6,90,961	8,21,717	Assam.‡
13,42,898	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569	17,34,336	17,68,775	18,72,124	20,15,548	23,76,230	Central Provinces and Berar.
1,02,855	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,833	1,76,633	1,60,492	1,99,941	4,25,572	5,07,547	Coorg.
92,650	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023	1,25,539	1,04,795	1,18,070	1,53,875	2,07,357	3,01,453	North-West Frontier Province.
16,715	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,733	25,152	26,634	26,504	28,598	47,282	Ajmer.
26,322	31,258	36,586	26,549	26,387	28,947	28,527	25.310	26,000	27,995	25,929	29,990	28,787	25,314	Baluchistan.
2,95,136	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056	4,30,832	4,28,652	3,97,724	6,12,826	9,71,491	Andamans.
1,37,486	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091	2,78,518	3,05,498	2,89,694	2,98,048	3,18,503	Imperial Forest College and Research Institute.
30,389	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353	48,663	47,407	56,597	59,110	59,953	Forest Surveys (Imperial).
24,80,660	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685	29,27,318	28,42,678	30,20,349	31,82,520	36,93,348	Madras.
19,90,183	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877	24,87,925	26,42,038	25,64,681	33,53,714	78,72,197	59,18,682	Bombay.
1,40,63,799	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450	1,85,92,607	1,87,43,883	2,11,57,063	2,88,75,505	3,17,63,199	GRAND TOTAL.
PLUS.														
—95,472	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431	—86,045	—78,702	—38,612	—83,150	—1,08,250	Imperial.*
4,32,473	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561	5,51,975	7,19,130	6,38,257	11,13,269	10,78,930	Bengal.†
11,96,013	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495	11,72,524	23,05,017	29,11,769	20,38,203	13,16,479	United Provinces.
4,60,881	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703	8,03,405	7,53,139	9,59,728	3,58,374	14,29,758	Punjab.
61,52,706	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247	48,12,976	74,42,943	68,74,320	68,36,870	98,97,062	Burma.
..	..	..	..	..	1,06,297	63,064	1,36,087	1,65,408	1,56,177	81,109	3,62,909	5,13,914	3,10,658	Bihar and Orissa.
6,12,732	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729	—65,462	2,99,338	4,72,588	6,23,329	8,01,757	6,59,873	Assam.‡
10,58,281	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960	15,43,926	16,02,803	15,94,369	14,72,874	21,70,493	Central Provinces and Berar.
1,33,054	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404	2,72,522	3,26,822	2,58,732	2,52,301	4,49,481	Coorg.
89,564	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420	82,020	1,22,915	1,83,836	1,73,965	1,61,088	North-West Frontier Province.
1,620	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437	—1,707	—5,362	1,229	8,772	—12,368	Ajmer.
—5,127	—6,429	—13,281	—7,820	—3,175	—8,830	—8,363	—5,322	—6,942	—6,362	—8,652	—12,065	—3,679	—7,377	Baluchistan.
3,11,891	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192	3,952	2,21,059	3,95,932	5,71,557	—1,70,696	Andamans.
—1,32,907	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3 22,474	—2,71,523	—2,97,299	—2,81,390	—2,88,965	—3,10,195	Imperial Forest College and Research Institute.
—30,389	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353	—48,663	—47,407	—56,597	—59,110	—59,953	Forest Surveys (Imperial).
8,10,009	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,80,852	11,79,520	17,53,448	24,38,140	16,08,940	25,40,801	Madras.
14,32,298	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317	20,59,225	29,54,496	29,58,308	26,21,834	25,75,756	Bombay.
1,24,27,687	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334	1,25,23,760	1,83,18,047	1,98,12,194	1,79,42,726	2,19,12,540	GRAND TOTAL.

Indore and Bangalore. Excludes Home charges.

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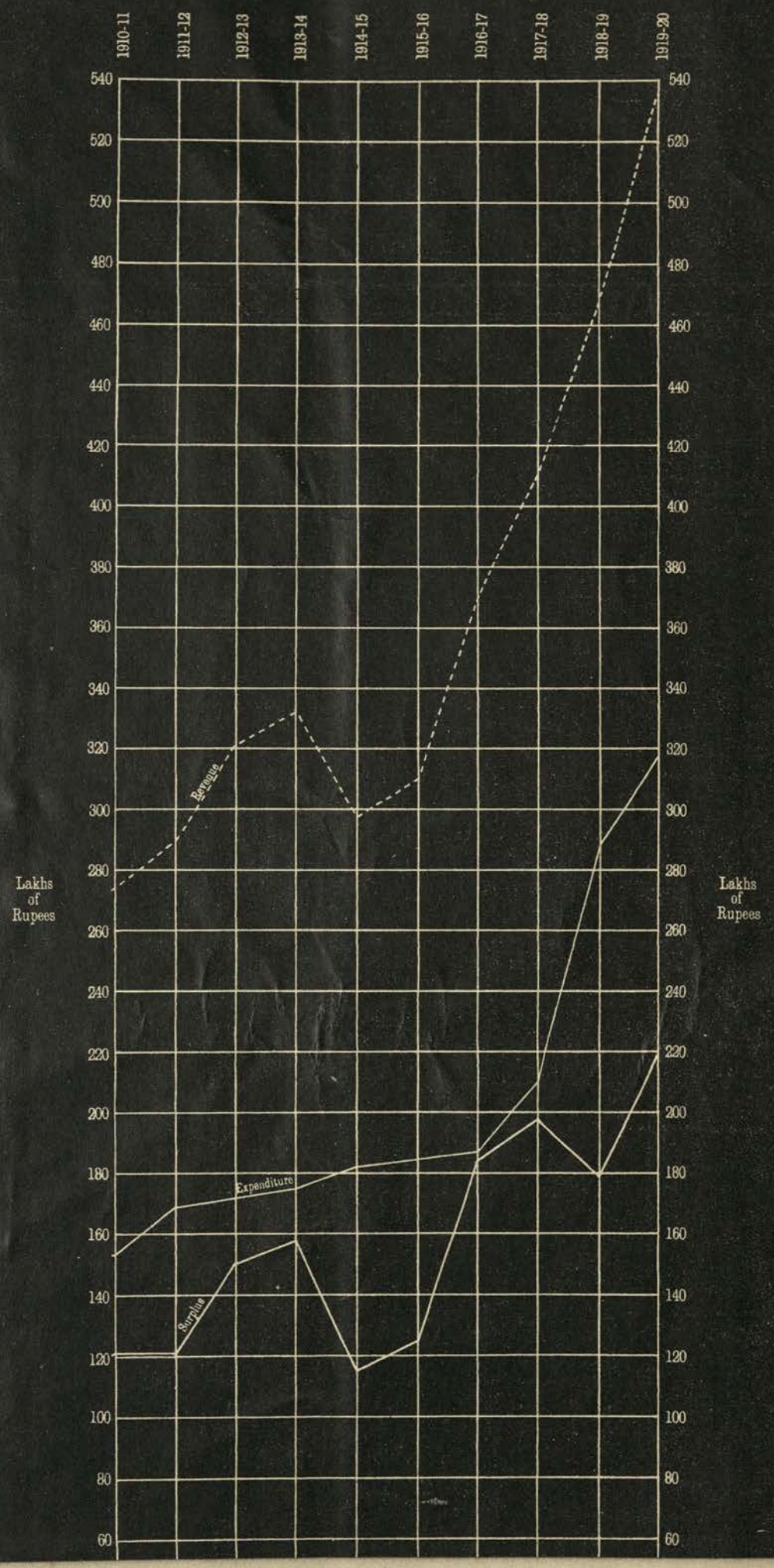
DIAGRAM SHOWING

ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS

FOR THE 10 YEARS 1910-11 TO 1919-20



Govt. of India
7.2/10/22

Annual Return

OF

Statistics

RELATING TO

Forest Administration

IN

British India

For the year

1920-21. 1929-30

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APPENDIX.

1. Diagram showing annual forest revenue, expenditure and surplus for the 10 years 1911-12 to 1920-21.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Bengal	78,668	(a) 4,839	(b) 1,708	4,030	10,627	13·5	(a) Excludes 17 square miles of reserved forest not under the management of the Forest Department. (b) Excludes 54 square miles not under the control of the Forest Department.
United Provinces	106,720	(c) 7,373	4	65	7,442	7·0	(c) Includes 156 square miles of leased forests.
Punjab	97,281	(d) 2,060	(e) 4,036	(f) 530	6,626	6·8	(d) Includes 359 square miles of leased forests but excludes 111 square miles of reserved forests not under the control of the Forest Department.
Burma	*226,911	29,934	...	115,822	145,816	64·3	(e) Excludes 353 square miles not under the control of the Forest Department. (f) Excludes 218 square miles not under the control of the Forest Department.
Bihar and Orissa	82,984	1,751	(g) 1,272	10	3,033	3·7	(g) Excludes 794 square miles not under the control of the Forest Department.
Assam	49,243	5,647	...	15,855	21,502	43·7	
Central Provinces (including Berar).	99,946	(h) 19,640	...	...	19,640	19·7	(h) Excludes 25 square miles not under the control of the Forest Department.
Coorg	1,582	520	...	...	520	32·9	
North-West Frontier Province.	13,184	(i) 236	(j)	...	236	1·8	(i) Excludes 14 square miles of military and civil reserved forests. (j) 121 square miles of civil protected forests are not shown.
Ajmer	2,767	142	(k)	...	142	5·1	(k) There are only 115 acres of protected forests in Ajmer.
Baluchistan (portions under British administration).	†54,228	313	...	472	785	1·4	
Andamans and Nicobars	†3,143	85	...	2,122	2,207	70·2	
Madras	142,387	18,825	...	(l) 500	19,325	13·6	(l) Reserved lands.
Bombay (including Sind)	123,220	(m) 12,076	(m) 496	...	12,572	10·2	(m) Excludes Forests in charge of the Revenue Department.
Total 1920-21	‡1,082,266	103,491	7,516	139,466	250,473	23·1	
„ 1919-20	1,080,814	103,003	7,941	140,005	250,949	23·2	
„ 1918-19	1,080,794	101,639	8,557	141,272	251,468	23·3	
„ 1917-18	1,080,650	101,233	8,752	141,527	251,512	23·3	
„ 1916-17	1,078,585	100,308	9,140	137,131	246,579	22·9	

* Including 54,728 square miles for the Shan States.
† Repeated from the Census report of 1911.
‡ Excluding Delhi Province and Pargana Manpur.

STATEMENT II.

Progress made in Forest Settlements during the year 1920-21.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Bengal	...	27	3	...	...	...
United Provinces . .	601	275	...	250	...	243
Punjab	...	13	...	17	...	...
Burma	30	2,735	256	2,899	...	...
Bihar and Orissa . .	54	64	28	...	...	...
Assam	3	303	9	129	...	24
Central Provinces . .	2	2	1	...	...	...
Coorg	...	...	...	...	...	...
North-West Frontier Province	...	...	...	...	...	...
Ajmer	...	...	...	...	...	...
Baluchistan . . .	...	313	...	...	...	...
Andamans	...	85	...	...	...	...
Madras . . .	59	474	2	5,359	1,961	...
Bombay	9	97	16	2,830	...	...
Total 1920-21 . . .	758	4,388	315	11,484	1,961	...
„ 1919-20 . . .	1,774	3,876	1,982	32,671	...	...
„ 1918-19 . . .	561	3,593	1,359	34,303	...	...
„ 1917-18 . . .	885	8,654	277	29,911	...	...
„ 1916-17 . . .	1,261	8,736	1,033	127,041	...	...

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal . . .	16	994	779	1,789	87	1,129	3,005	519	7,332
United Provinces .	39	3,231	8,807	12,077	10	2,696	14,783	6,934	21,193
Punjab . .	64	1,062	7,771	8,897	48	1,252	10,197	1,336	2,338
Burma . .	217	2,572	14,823	17,612	369	3,800	21,781	4,935	19,590
Bihar and Orissa .	30	3,012	1,490	4,532	...	343	4,875	948	760
Assam . . .	36	1,418	897	2,351	11	2,047	4,409	314	7,919
Central Provinces .	393	7,148	22,753	30,294	263	3,181	33,738	911	12,469
Coorg . . .	...	...	480	480	...	56	536	51	464
North-West Frontier Province .	...	160	617	777	...	139	916	...	973
Ajmer . . .	...	2	241	243	...	158	401	...	190
Baluchistan . .	...	...	460	460	—	77	537	...	—
Andamans . .	...	...	24	24	33	72	129	...	...
Madras . .	79	20,077	11,805	31,961	430	2,006	34,397	3,742	10,329
Bombay . .	48	20,151	19,496	39,695	149	2,820	42,664	1,163	3,924
Total 1920-21 .	922	59,827	90,443	151,192	1,400	19,776	172,368	20,353	87,481
„ 1919-20 .	865	64,505	86,330	151,700	1,564	19,009	172,273	30,306	90,578
„ 1918-19 .	1,171	60,939	89,269	151,379	1,579	18,483	171,441	24,836	93,672
„ 1917-18 .	1,094	67,024	82,908	151,026	2,077	18,493	171,596	24,368	113,914
„ 1916-17 .	3,057	55,758	91,851	150,666	2,508	18,334	171,508	55,417	87,732

STATEMENT IV.

Forest Survey Operations, 1920-21.

Province.	Forest surveyed.	Nature of survey operations.						Total area of Detail Survey.		Expenditure of the year including mapping and publishing charges debitable to Forests.	Remarks.
		1″ Detail Survey.		2″ Detail Survey.		4″ Detail Survey.		1920-1921.	Total up to date.		
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		sq. m.	Rs.	sq. m.	Rs.	sq. m.	Rs.	sq. m.	sq. m.	Rs.	
Bengal	Jalpaiguri	...	...	...	...	...	...	...	3,265	190	
	Buxa	...	...	...	...	...	...	...			
United Provinces	Chakrata	...	...	...	...	...	...	...	6,483	5,028	
	Haldwani	...	...	...	...	...	...	...			
	North Garhwal	...	...	8	80	...	...	8			Cost not debitable to "Forests."
	South Garhwal	...	...	170	80	...	...	170			Cost of survey not debitable to "Forests."
	Central Almora	...	...	37	80	...	...	37			Cost not debitable to "Forests."
	East Almora	2	2	187	80	...	...	209			Ditto.
	Ranikhet	...	...	64	80	...	...	64			
	Naini Tal	...	...	...	...	...	...	...			
	North Kheri	...	...	...	...	...	...	...			
	Utilisation (Bareilly)	...	...	...	...	...	...	...			
Punjab	.....	...	...	...	...	...	...	...	4,365	310	
	Kangra	...	...	...	...	...	...	...			
	Lahore	...	...	...	...	...	...	...			
Burma	Bassein	...	...	...	...	...	...	...	17,537	89,776	114·4 linear miles of boundaries have been traversed.
	Ataran	...	...	...	...	...	...	...			249·1 linear miles of boundaries have been traversed.
	Mansi	...	...	...	...	40·3	811·2	40·3			Cost not debitable to "Forests."
	Mandalay (Maymyo)	...	...	...	...	...	...	...			
	Meiktila	...	...	45·1	811·2	...	...	45·1			
	Southern Shan States	...	...	37	811·2	...	...	37			
Bihar and Orissa	.....	...	...	...	...	...	...	...	1,732	...	
Assam	Khasi and Jaintia Hills	...	...	48	59·3	...	...	48	4,264	...	Cost not debitable to "Forests."
	Cachar	...	...	26·4	59·3	...	...	26·4			40·4 linear miles of boundaries have been traversed. Cost not debitable to "Forests."
	Nowgong	...	...	17·2	59·3	...	...	17·2			32·2 linear miles of boundaries have been traversed. Cost not debitable to "Forests."
	Sibsagar	...	...	...	...	...	...	...			17·2 linear miles of boundaries have been traversed.
Central Provinces	Betul	...	...	...	...	...	...	...	19,500	284	
	Amraoti	...	...	...	...	...	...	...			
	Nagpur	...	...	...	...	...	...	...			
	Balaghat	...	...	...	...	...	...	...			
Coorg	.....	...	...	...	...	...	...	...	478	...	
North-West Frontier Province.	.....	...	...	...	...	...	...	...	445	...	
Ajmer	.....	...	...	...	...	...	...	...	144	...	
Baluchistan	.....	...	...	...	...	...	...	...	227	...	
Andamans	.....	...	...	...	...	...	...	...	527	...	
Madras	Guntur	34·7	28·0	562·5	59·3	...	...	597·2	16,531	985	Cost not debitable to "Forests."
	East Kurnool	...	...	...	...	...	...	...			
	West Kurnool	...	...	...	...	...	...	...			
	Nellore	29·5	28·0	72·4	59·3	...	...	101·9			Ditto.
	West Vellore	...	...	...	...	...	...	...			Ditto.
	Madura	...	...	19	59·3	...	...	19			
	Nilambur	...	...	...	...	...	...	...			
Bombay	.....	...	...	...	...	...	...	...	12,083	...	
Total 1920-21	.....	86	...	1,204	...	40	...	1,420	88,511	96,573	Cost of mapping, publishing and special surveys only, excludes Forest Map Office, Headquarter charges. Rs. 55,125
,, 1919-20	.....	281	...	869	...	35	...	1,185	87,091	99,325	Ditto . . . 61,000
,, 1918-19	.....	...	...	109	...	189	...	298	85,906	68,980	Ditto . . . 60,569
,, 1917-18	.....	12	...	750	...	309	...	1,071	85,608	5,174	Ditto . . . 52,042
,, 1916-17	.....	...	...	435	...	236	...	671	84,537	28,903	Ditto . . . 48,419

Note.—The figures in column (10) for each Province have been obtained by adding column (9) to the figures given in column (10) of the published statement in Annual Return of Statistics for the year 1919-20.

STATEMENT V.

Progress made in Working Plans.

Province.	AREA UNDER SANCTIONED WORKING PLANS.					AREA NOT UNDER WORKING PLANS.				REVISIONS			
				AT CLOSE OF YEAR.		PLANS NOT UNDER PREPARATION.							
	At commencement of the year.	Added during the year.	Deducted during the year.	Actual Area.	Percentage of total forest area (as shown in column 10).	Plans under preparation.	Required at present.	Not required at present.	Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Bengal	4,804	20	5	4,819	45	1,608	...	4,200	10,627	219	72	523	15,854
United Provinces	4,226	6	3	4,229	57	2,727	446	40	7,442	1,212	590	...	33,962
Punjab	2,790	1	1	2,790	42	174	...	3,662	6,626	...	589	1,215	244
Burma	10,855	1,307	1,308	10,854	7	328	8,236	126,398	145,816	999	527	...	...
Bihar and Orissa	1,461	...	...	1,461	48·2	24	43	1,505	3,033	516	912	196	936
Assam	729	...	...	729	3·4	184	2,594	17,995	21,502	240	...	...	...
Central Provinces	16,859	...	...	16,859	86	216	237	2,328	19,640	2,619	...	...	...
Coorg	520	...	...	520	100	...	...	...	520	...	...	...	...
North-West Frontier Province.	236	...	...	236	100	...	...	...	236	236	...	...	...
Ajmer	142	...	...	142	100	...	...	...	142	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	785	785	...	...	...	...
Andamans	708	...	...	708	32	...	...	1,499	2,207	...	...	...	...
Madras	8,274	121	...	8,395	43·4	1,611	5,899	3,420	19,325	...	...	...	...
Bombay	7,851	138	147	7,842	62·4	1,141	1,036	2,553	12,572	2,725	1,888	964	419
Total 1920-21	59,455	1,593	1,464	59,784	23·8	8,013	18,491	164,385	250,473	8,766	4,578	2,898	51,445
„ 1919-20	60,190	452	1,122	59,520	...	8,704	18,151	164,561	250,936	9,052	6,919	...	24,165
„ 1918-19	60,155	1,014	499	60,670	24·0	7,970	18,204	165,661	252,505	9,397	9,233	1,079	57,333
„ 1917-18	58,557	2,282	115	60,724	24·0	7,746	18,085	166,000	252,555	9,306	10,015	...	28,996
„ 1916-17	56,763	1,846	21	58,588	23·6	9,340	27,865	152,087	247,880	8,483	10,165	1,125	59,015

STATEMENT VI.

Expenditure on communications and buildings.

PROVINCE.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads.	Buildings.	Roads.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	68,867	25,426	34,216	26,026	7,740	1,62,275
United Provinces . . .	7,19,043	61,741	65,583	1,08,144	18,481	9,72,992
Punjab	85,627	46,424	15,407	17,643	8,145	1,73,246
Burma	1,09,758	1,68,960	56,081	63,331	18,684	4,16,814
Bihar and Orissa . . .	28,220	28,737	18,607	29,130	2,418	1,07,112
Assam	24,724	23,712	23,527	19,667	10,432	1,02,062
Central Provinces . .	29,523	74,173	26,314	47,157	38,523	2,15,690
Coorg	21,542	81,790	9,004	8,364	2,499	1,23,199
North-West Frontier Province	19,740	1,727	4,295	3,247	255	29,264
Ajmer	447	...	21	153	3,296	3,917
Baluchistan	...	...	127	...	...	127
Andamans	29,545	29,888	209	45,144	3,012	1,07,798
Madras	1,23,952	2,24,886	61,588	68,936	11,242	4,90,604
Bombay	1,12,463	1,29,036	40,065	1,53,075	16,008	4,50,647
Total 1920-21 .	13,73,451	8,96,500	3,55,044	5,90,017	1,40,735	33,55,747
„ 1919-20 .	15,01,544	9,96,550	3,74,667	5,92,748	1,49,898	36,15,407
„ 1918-19 .	10,86,453	9,78,215	3,10,717	5,16,577	1,29,377	30,21,339
„ 1917-18 .	3,52,474	4,33,281	2,80,533	4,02,362	1,19,129	15,87,779
„ 1916-17 .	2,24,902	3,28,397	2,61,628	3,16,192	1,03,959	12,35,078

STATEMENT VII.

Breaches of forest rules.

PROVINCE.	Cases pending from 1919-1920.	NEW CASES OF THE YEAR.					TOTAL CASES.	DISPOSED OF DURING THE YEAR.						Cases pending at close of year.
								CONVICTION.		ACQUITTALS.		TOTAL.		
		Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Bengal A.	91	1	137	29	49	216	307	136	376	17	68	153	444	147
Bengal B.	93	3	827	747	359	1,936	2,029	1,911	3,311	1	1	1,912	3,312	112
Bengal C.	...	47	66	10	23	146	146	...	...	...	...	...	...	...
Total	184	51	1,030	786	431	2,298	2,482	2,047	3,687	18	69	2,065	3,756	259
United Provinces A.	47	16	50	31	42	139	186	105	256	33	173	138	429	48
United Provinces B.	454	93	1,492	1,109	136	2,830	3,284	2,776	14,395	180	636	2,956	15,031	328
United Provinces C.	...	80	112	3	9	204	204	...	...	...	...	...	...	...
Total	501	189	1,654	1,143	187	3,173	3,674	2,881	14,651	213	809	3,094	15,460	376
Punjab A.	151	15	141	132	155	443	594	301	574	60	185	361	759	212
Punjab B.	110	11	1,466	3,848	1,073	6,398	6,508	6,215	9,060	10	10	6,225	9,070	282
Punjab C.	...	173	6	...	...	179	179	...	...	...	...	...	...	...
Total	261	199	1,613	3,980	1,228	7,020	7,281	6,516	9,634	70	195	6,586	9,829	494
Bihar and Orissa A.	61	1	58	11	32	102	163	99	422	14	104	113	526	41
Bihar and Orissa B.	78	1	1,099	161	33	1,294	1,372	1,273	3,811	...	...	1,273	3,811	99
Bihar and Orissa C.	...	58	2	...	...	60	60	...	...	...	...	...	...	...
Total	139	60	1,159	172	65	1,456	1,595	1,372	4,233	14	104	1,386	4,337	131
Burma A.	235	5	299	14	77	395	630	360	622	55	109	415	731	...
Burma B.	959	16	2,537	240	1,229	4,022	4,081	3,794	5,400	...	...	3,794	5,400	...
Burma C.	3	19	36	...	3	58	61	...	...	...	...	...	...	...
Total	1,197	40	2,872	254	1,309	4,475	5,672	4,154	6,022	55	109	4,209	6,131	1,258
Assam A.	101	...	107	12	32	151	252	149	348	30	62	179	410	73
Assam B.	78	1	374	79	148	602	680	518	1,205	...	...	518	1,205	162
Assam C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	179	1	481	91	180	753	932	667	1,553	30	62	697	1,615	235
Central Provinces A.	36	12	43	86	26	167	203	129	303	41	181	170	484	33
Central Provinces B.	1,381	67	3,015	4,906	455	8,443	9,824	8,496	23,113	7	8	8,503	23,121	1,321
Central Provinces C.	...	282	224	25	10	541	541	...	...	...	...	...	...	...
Total	1,417	361	3,282	5,017	491	9,151	10,568	8,625	23,416	48	189	8,673	23,605	1,354
Coorg A.	...	...	2	11	1	14	14	10	11	3	3	13	14	1
Coorg B.	...	...	4	14	3	21	21	20	29	1	1	21	30	...
Coorg C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	6	25	4	35	35	30	40	4	4	34	44	1
North-West Frontier Province A.	113	...	96	95	2	193	306	118	(a) 281	33	(b) 94	151	(c) 375	151
North-West Frontier Province B.	...	...	360	664	2	1,026	1,026	1,026	2,270	...	...	1,026	2,270	...
North-West Frontier Province C.	...	29	15	5	2	51	51	...	...	...	...	...	...	...
Total	113	29	471	764	6	1,270	1,383	1,144	2,551	33	94	1,177	2,645	151

(a) And 1 Village (Number of persons not given).
(b) ,, 2 Villages (,, ,, ,,).
(c) ,, 3 ,, (,, ,, ,,).

STATEMENT VII—*contd.*

Breaches of forest rules—contd.

PROVINCE.		Cases pending from 1919-1920.	NEW CASES OF THE YEAR.					Total cases.	DISPOSED OF DURING THE YEAR.						Cases pending at close of year.
									Convictions.		Acquittals.		Total.		
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other Offences.	Total new cases of the year.		Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Ajmer	A.	7	...	1	3	1	5	12	12	19	...	...	12	19	...
	B.	...	11	187	678	83	959	959	921	1,626	35	46	956	1,672	3
	C.	...	1	...	...	...	1	1	...	...	...	...	...	...	...
	Total	7	12	188	681	84	965	972	933	1,645	35	46	968	1,691	3
Baluchistan	A.	4	—	16	—	—	16	20	11	18	6	12	17	30	5
	B.	—	—	11	56	5	72	72	72	100	...	...	72	100	—
	C.	—	—	2	—	—	2	2	...	...	...	...	...	...	—
	Total	4	...	29	56	5	90	94	83	118	6	12	89	130	
Andamans	A.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	B.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	C.	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Madras	A.	3,349	26	4,288	1,873	333	6,520	9,869	5,519	16,435	602	1,990	6,121	18,425	3,748
	B.	3,997	20	10,343	4,950	794	16,116	20,113	14,032	32,039	1,329	3,663	15,361	35,701	4,752
	C.	21	905	343	46	17	1,311	1,332	...	...	...	...	...	...	...
	Total	7,367	960	14,974	6,869	1,144	23,947	31,314	19,551	48,473	1,931	5,653	21,482	54,126	8,500
Bombay	A.	359	69	249	156	43	517	876	528	1,365	69	209	597	1,574	258
	B.	2,272	163	4,772	5,378	1,111	11,424	13,661	11,558	27,861	6	6	11,564	27,867	2,091
	C.	...	1,652	999	40	34	2,725	2,700	...	...	...	...	...	...	...
	Total	2,631	1,884	6,020	5,574	1,188	14,666	17,297	12,086	29,226	75	215	12,161	29,441	2,349
Grand Total	A.	4,554	145	5,487	2,453	793	8,878	13,462	7,477	22,030	963	3,190	8,440	24,220	4,717
	B.	9,422	395	26,487	22,830	5,431	55,143	64,530	52,612	124,219	1,569	4,371	54,181	128,590	9,141
	C.	24	3,246	1,805	129	98	5,278	5,337	...	...	...	...	...	...	...
Total 1920—21		14,000	3,786	33,779	25,412	6,322	69,299	83,299	60,089	145,249	2,532	7,561	62,621	152,810	15,116*
,, 1919—20		14,854	4,652	43,779	31,584	7,410	87,425	10,227	78,252	186,793	2,772	8,887	81,024	195,680	14,294*
,, 1918—19		11,238	4,275	44,013	31,756	6,941	86,985	98,223	73,477	173,767	2,687	8,407	76,164	182,174	(c) 14,864
,, 1917—18		11,071	4,139	45,667	31,099	5,510	86,445	97,516	75,905	177,673	2,767	11,414	78,672	189,087	(b) 11,275
,, 1916—17		10,271	4,130	50,538	32,615	5,837	93,146	103,417	70,765	165,969	12,402	29,804	83,167	195,773	(a) 11,101

N. B.—A.—Cases taken into Court.

B.—Cases compounded.

C.—Undetected cases.

(*a*) Excludes 3,363 undetected cases and 1,383 cases struck off.

(*b*) Burma has given the figures for the total of pending cases at the close of the year, *viz.*, 720, but has not shown separately "A" and "B" cases.

(*c*) Burma has not shown separately "A" and "B" cases. It has given the figures for the total of pending cases, *viz.*, 245, at the close of the year.

*Burma has not shown separately "A" and "B" cases. It has given the figures for the total of pendig cases, *viz.*, 1,258 at the close of the year.

STATEMENT VIII.

Area protected from fire.

Provinces.	Area in square Miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1919-20.	1920-21.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Bengal	663	654	13·6	3·3	1·4	
United Provinces	3,737	3,709	50·7	3·7	·8	
Punjab	1,166	1,153	56·6	1·7	1·0	
Burma	697	515	2·3	5·6	26·0	
Bihar and Orissa	1,122(*a*)	1,099(*a*)	64·1	5·1	2·1	(*a*) Excludes protected forests under fire protection.
Assam	11	10	0·2	3·7	9·1	
Central Provinces	10,205	9,446	52·0	1·9	7·4	
Coorg	153	147	29·4	6·6	3·9	
North-West Frontier Province	77	76	32·6	8·1	1·3	
Ajmer	141	140	99·3	0·1	0·7	
Madras	17,104	16,421	90·9	8·0	4·0	
Bombay	10,703	9,855	88·6	4·8	8·0	
Total 1920-21	45,779	43,225	44·2	5·1	5·6	
„ 1919-20	45,535	43.067	44·2	4·7	5·4	
1918-19	45,990	43,966	45·2	4·6	4·4	
„ 1917-18	46,951	44,706	46·3	4·5	4·8	
„ 1916-17	48,464	46,588	48·3	4·7	3·9	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in Departmental Fire Conservancy operations.		External fires crossing the Fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal	2	1	3	...	7	...	...	...	34	7	46	8
United Provinces	45	7	25	2	84	3	22	10	37	6	213	28
Punjab	5	1	19	2	129	8	26	10	28	1	207	22
Burma	9	7	17	13	31	31	20	67	47	63	124	181
Bihar and Orissa	3	2	9	16	3	8	...	...	11	5	26	31
Assam	...	...	1	...	2	...	1	1	1	...	5	1
Central Provinces	49	69	78	259	83	95	4	92	217	245	431	760
Coorg	7	...	...	...	...	...	5	5	3	...	15	5
North-West Frontier Province.	...	...	7	1	25	1	11	1	...	...	43	3
Ajmer	3	...	2	1	2	...	...	...	1	...	8	1
Baluchistan	...	...	...	...	...	...	...	...	1	...	1	...
Andamans	...	...	...	...	...	...	...	...	...	...	...	...
Madras	51	11	183	224	242	48	415	266	470	198	1,361	747
Bombay	51	15	167	142	426	126	172	62	1,095	526	1,911	871
Total 1920-21	225	113	511	660	1,034	320	676	514	1,945	1,051	4,391	2,658
„ 1919-20	219	86·4	672	588	1,198	341	1,112	709·1	2,246	1,076·1	5,447	2,800·6
„ 1918-19	219	66·3	515	567·7	1,182	290·8	1,118	427·7	1,864	858·5	4,898	2,210·6
„ 1917-18	205	44·1	549	341·0	1,060	308·2	1,158	959·5	1,920	815·8	4,892	2,469·1
„ 1916-17	226	83·1	518	293·8	1,164	235·4	971	539·0	2,066	872·0	4,943	2,023·2

STATEMENT X.

Area closed and open to grazing.

Province.	Area in Q. Miles.						Total area.	Remarks.
	Closed to all animals.		Open to Grazing.					
			Of all animals.		*Of all animals except browsers (camels, sheep and goats).*			
	Whole year.	Part of year.	Whole year	Part of year	Whole year.	Part of year.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bengal	5,875	...	4,687	...	73	63	10,698	
United Provinces	2,231	126	3,084	...	1,995	6	7,442	
Punjab	147	225	5,240	247	445	322	6,626	
Burma	22,808	...	115,882*	149	2,306	4,671	145,816	* Unclassed forests.
Bihar and Orissa	1,435	...	574	...	986	38	3,033	
Assam	4,629	1 1	14,689	...	2,072	1	21,502	
Central Provinces	2,889	196	4,804	29	11,340	382	19,640	
Coorg	78	429	...	...	13	...	520	
North-West Frontier Province	8	...	46	...	147	35	236	
Ajmer	65	74	...	...	3	...	142	
Baluchistan	472	180	96	24	13	...	785	
Andamans	85	...	2,122	...	...	...	2,207	
Madras	3,627	822	12,541	506	1,537	292	19,325	
Bombay	2,486	352	3,374	...	6,029	331	12,572	
Total 1920-21	46,835	2,515	167,139	955	26,959	6,141	250,544	
„ 1919-20	47,161	1,602	171,683	1,885	25,742	5,317	253,389	
„ 1918-19	46,468	2,509	174,297	1,710	24,416	5,156	254,556	
„ 1917-18	47,249	2,048	174.357	1,177	24,333	4,864	254,028	
„ 1916-17	45,765	1,863	171,882	1,736	24,026	4,853	250,125	

PROVINCE.	GRAZED ON PAYMENT, NUMBER OF ANIMALS.									
	AT FULL RATES.			AT PRIVILEGED RATES.						
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Bengal	1,300	963	318	...	30	39	21,600	...	...	2
United Provinces	64,445	154,168	129,475	558	2,271	11,766	50,330	6,159	...	202
Punjab	14,694	38,915	188,774	19,173	2,916	817	49,375	357,122	1,628	619
Burma	3,368	17,691	279	...	226	25	3	...	...	...
Bihar and Orissa	9,971	29,245	3,428	...	...	189	6,137	...	...	...
Assam	67,395	53,035	554	3	651	9,998	394	10	...	...
Central Provinces	245,597	706,499	254,801	58	2,621	105,683	1,594,838	1,583	...	234
Coorg	242	3,299	...	...	...	...	...	...	...	...
North-West Frontier Province.	890	2,004	...	...	3	...	...	...	...	...
Ajmer	702	4,803	...	65	106	1,730	7,417	...	...	...
Baluchistan	76	1,678	...	...	698	...	...	...	...	...
Madras	56,855	274,437	316,990	...	...	7,420	60,089	19,608	...	...
Bombay	21,153	(a) 56,590	59,147	805	2,767	117,933	(a) 1,029,160	217,705	...	5,524
Total 1920-21	486,688	1,343,327	953,766	20,662	12,289	255,600	2,819,343	602,137	1,628	6,581
„ 1919-20	531,396	1,497,340	1,153,310	20,886	13,491	258,528	2,794,840	619,689	132	20,537
„ 1918-19	592,563	1,653,407	1,245,774	38,124	11,385	325,888	3,388,985	704,311	10	17,422
„ 1917-18	642,405	1,969,559	1,451,814	15,353	14,991	320,059	3,213,826	706,205	11	30,060
„ 1916-17	639,633	2,178,006	1,970,641	21,929	14,520	315,515	3,358,537	646,333	188	28,494

(a) Includes buffaloes in the Southern Circle.

MENT XI.

from cattle.

GRAZED FREE, NUMBER OF ANIMALS.										Total number of animals grazed.
By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and Sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and Sheep.	Camels.	Other animals.	
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
...	...	...	...	...	610	2,819	...	...	2	27,683
40,248	480,276	40,926	...	1,710	7,073	34,174	61,051	...	102	1,084,934
131,700	638,899	1,308,172	285	184,882	3,871	19,299	...	431	2,783	2,964,355
178,724	398,342	...	1	369	25,741	180	...	1,488	5,850	632,287
39,086	223,945	32,954	...	...	117	1,023	581	...	...	346,676
...	340	...	...	...	80,491	447,997	90,412	...	325	751,605
...	375	...	...	...	3,300	239,368	1,206	...	243	3,156,403
...	267	...	...	...	...	6,261	...	...	...	10,069
5,366	6,699	...	...	...	8,177	13,347	...	...	...	36,486
...	...	...	...	...	129	1,091	...	...	...	16,043
...	3,310	53,226	1	1,193	...	58	9,685	...	...	69,925
1,754	3,143	5,700	...	...	7,714	58,078	1,421	...	29	813,238
9,498	22,908	12	...	12	85,556	569,530	46,156	381	4,609	2,249,446
406,376	1,778,504	1,440,990	287	188,166	222,779	1,393,225	210,512	2,300	13,943	12,159,153
405,922	1,830,657	1,435,699	186	188,850	223,495	1,372,687	147,698	6,086	15,648	12,537,077
369,514	1,586,326	1,417,528	186	188,330	221,107	1,380,953	129,379	9,247	13,941	13,324,380
360,218	1,827,488	1,421,173	186	196,434	202,694	1,285,674	111,836	5,925	14,213	13,790,686
352,560	1,812,145	1,436,676	279	188,338	206,295	1,299,857	97,668	3,938	17,133	14,588,685

STATEMENT XII.

Area of plantations and the cost of the year's work.

PROVINCE.	AREA IN ACRES AT CLOSE OF THE YEAR.			
	Regular Plantations.	Taungyas.	Total.	Cost of operations during the year.
(1)	(2)	(3)	(4)	(5)
Bengal	1,537 (*a*)	3,167 (*b*)	4,704	33,511
United Provinces	17,825	...	17,825	61,988
Punjab	7,441 (*c*)	...	7,441	64,775
Burma	3,277 (*d*)	84,723 (*e*)	88,000	72,776
Bihar and Orissa	1,867	224	2,091	7,359
Assam	3,408	2,896	6,304	925
Central Provinces	2,341	8,031 (*f*)	10,372	1,310
Coorg	2,072	3,501	5,573	5,831
North-West Frontier Province	23	...	23	492
Ajmer	514	...	514	186
Baluchistan	...	...	...	...
Andamans	2,063	...	2,063	53
Madras	21,062 (*g*)	854	21,916	31,152
Bombay	1,727 (*h*)	622	2,349	18,879
Total 1920-21	65,157	104,018	169,175	299,233
„ 1919-20	66,210	101,321	167,531	280,252
„ 1918-19	63,568	94,446	158,014	191,983
„ 1917-18	64,104	88,821	152,925	176,526
„ 1916-17	71,281	88,184	159,465	173,774

(*a*) 14 acres excluded during the year.
(*b*) 112 „ „ „ „ „
(*c*) 273 „ „ „ „ „
(*d*) 143 „ „ „ „ „
(*e*) 4,661 acres excluded during the year.
(*f*) 207 „ „ „ „ „
(*g*) 178 „ „ „ „ „
(*h*) 57 „ „ „ „ „

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average outturn per square mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce	Timber and fuel.	Minor produce.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal	16,023,000*	3,82,874	630,000	4,699	664,000	29,107	17,317,000	4,16,680	3,277	78	369	3	165	7	1,630	39
United Provinces	34,870,000*	18,81,920	8,000	3,951	35,000	1,641	34,913,000	18,83,622	4,729	255	2,000	762	538	25	4,691	254
Punjab	11,426,000*	12,82,434	17,216,000	9,80,708	5,619,000	2,85,803	34,261,000	25,57,943	5,547	623	4,266	245	10,602	539	5,171	383
Burma	26,517,009	5,18,482	...	...	5,924,000	4,67,901	32,441,000	9,81,383	883	17	...	...	483	4	565	7
Bihar and Orissa	2,644,000	94,745	15,947,000	1,54,957	18,000	1,026	18,509,000	2,50,428	1,510	54	12,458	122	1,800	103	6,103	83
Assam	2,305,000	1,15,633	...	...	10,468,000†	10,77,862	12,773,000	11,93,495	444	21	...	...	648	68	594	56
Central Provinces	30,125,000	27,30,488	...	...	...	...	30,125,000	27,30,488	1,534	139	...	...	...	...	1,534	139
Coorg	221,803	17,872	89,446	470	...	...	311,249	18,342	427	34	...	...	...	...	599	35
North-West Frontier Province.	2,678,000‡	33,814	...	...	...	...	2,678,000‡	33,814	11,347	143	...	...	...	...	11,347	143
Ajmer	177,447	80,974	...	816	...	...	177,447	60,890	1,250	423	...	...	...	...	1,250	429
Baluchistan	76,386	43,395	...	...	48,907	4	125,293	43,339	244	138	...	...	104	...	160	55
Andamans	349,000	972	...	...	1,252,000	3,947	1,601,000	4,919	4,106	11	...	...	530	2	725	2
Madras	18,238,000	17,70,284	...	...	5,273,000	5,23,104	23,511,000	22,93,388	969	94	...	...	10,546	1,046	1,211	119
Bombay	39,162,000	10,76,426	749,000	58,070	...	...	39,911,000	11,29,496	3,243	89	1,510	107	...	...	3,175	90
Total 1920-21	185,012,636	1,00,06,763	34,539,446	12,03,496	79,101,907	23,90,308	298,653,989	1,36,00,627	1,788	97	4,595	161	587	17	1,192	54
,, 1919-20	205,357,374	93,18,424	37,516,337	14,75,964	96,642,122	20,84,800	339,515,833	1,28,77,188	1,994	91	4,724	183	690	15	1,353	51
,, 1918-19	215,356,098	1,08,18,246	38,725,668	10,54,538	89,709,154	23,31,804	343,850,918	1,42,04,588	2,119	106	4,536	123	635	17	1,387	56
,, 1917-18	212,511,559	1,05,20,099	39,019,024	13,27,410	77,135,796	16,28,159	328,666,379	1,36,75,668	2,099	104	4,459	152	545	13	1,307	54
,, 1916-17	192,371,761	97,12,650	36,800,968	13,26,362	77,696,969	14,15,534	306,869,308	1,24,56,596	1,918	97	4,026	145	567	10	1,245	51

* Includes leased forests.
† Excludes shared forests.
‡ Excludes guzara forests.

STATEMENT XIV.

Forest produce removed by different agencies.

Part I.—Timber and Fuel.

Province.	Timber					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	309,000	7,051,000	5,000	...	7,365,000	541,000	8,147,000	1,264,000	...	9,952,000
United Provinces	459,000	7,651,000	71,000	608,000	8,189,000	667,000	8,134,000	466,000	17,457,000	26,724,000
Punjab	2,578,000	2,959,000	129,000	925,000	6,591,000	2,584,000	1,591,000	232,000	23,263,000	27,670,000
Burma	5,957,000	36,321,000	482,000	1,231,000	43,991,000	4,408,000	31,322,000	85,000	2,635,000	38,450,000
Bihar and Orissa	25,000	1,123,000	42,000	201,000	1,391,000	129,000	2,405,000	114,000	14,470,000	17,118,000
Assam	121,000	4,005,000	693,000	...	4,819,000	76,000	2,828,000	5,041,000	9,000	7,954,000
Central Provinces	498,000	7,141,000	201,000	66,000	7,906,000	737,000	17,660,000	3,145,000	677,000	22,219,000
Coorg	185,556	51,128	...	...	236,684	14,965	59,600	...	...	74,565
North-West Frontier Province	312,000	388,000	29,000	...	729,000	256,000	168,000	1,233,000	316,000	1,967,000
Ajmer	6	1,378	...	627	2,011	35,659	135,896	3,881	...	175,436
Baluchistan	57	9,578	4,100	...	13,735	21,418	90,140	...	...	111,558
Andamans	656,000	16,000	16,000	40,000	728,000	265,000	251,000	132,000	225,000	873,000
Madras	963,000	2,725,000	191,000	59,000	3,938,000	2,182,000	17,137,000	4,000	250,000	19,573,000
Bombay	1,193,000	3,532,000	77,000	1,000	4,803,000	4,982,000	24,728,000	40,000	5,358,000	35,108,000
Total 1920-21	13,256,619	72,374,084	1,940,100	3,131,627	90,702,430	16,893,042	114,856,636	11,759,881	64,660,000	207,969,559
,, 1919-20	14,929,994	80,685,176	2,116,673	3,069,160	100,801,003	22,217,740	137,726,267	12,316,828	66,570,000	238,832,830
,, 1918-19	14,349,698	72,234,306	1,881,782	3,050,354	91,516,140	25,573,610	147,424,956	11,603,212	68,206,000	252,806,778
,, 1917-18	12,875,227	78,867,653	1,971,687	3,579,204	97,293,771	14,516,735	140,544,235	9,557,638	67,105,000	231,723,608
,, 1916-17	9,426,753	74,767,326	1,980,778	3,904,753	90,079,610	12,382,340	134,200,227	9,229,566	61,322,000	217,134,133

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—contd.

Part II.—Value of minor forest produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor produce.				
	By Government.	By purchasers.	By free grantees	By right holders.	Total.	By Government.	By purchasers.	By free grantees	By right holders.	Total.	By Government.	By purchasers.	By free grantees	By right holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	541	1,16,342	445	...	1,17,328	...	20,945	19,211	...	40,156	1,19,814	1,32,096	6,686	...	2,58,596
United Provinces	63	1,48,215	101	6,362	1,54,741	2,976	1,43,373	14,824	2,87,618	4,47,891	9,62,532	2,66,954	4,502	50,902	12,83,990
Punjab	47,803	1,051	5	85	48,944	51	1,87,517	32,650	19,52,654	21,72,881	2,68,929	23,162	3	44,024	3,36,118
Burma	522	2,14,995	315	16,225	2,32,057	...	7,655	59,053	2,15,785	2,82,493	2,420	3,83,281	861	80,271	4,66,833
Bihar and Orissa	8,015	18,427	400	20,137	46,979	...	6,801	742	88,408	95,951	390	86,552	277	20,279	1,07,498
Assam	885	39,164	15,418	...	55,467	...	2,55,019	4,45,809	127	7,00,955	54,255	1,77,314	2,05,504	...	4,37,073
Central Provinces	1,013	1,93,024	5,516	3,031	2,04,384	6,234	15,34,493	1,79,741	1,327	17,21,795	5,09,361	2,14,537	76,926	3,485	8,04,309
Coorg	...	1,499	...	...	1,499	...	958	...	...	958	...	15,885	...	...	15,885
North-West Frontier Province.	...	...	...	...	...	...	1,816	17,997	5,712	25,525	8,085	74	30	100	8,289
Ajmer	...	732	...	...	732	1,560	5,682	1,139	49,244	57,625	361	2,172	...	...	2,533
Baluchistan	...	...	...	...	...	...	911	620	41,470	43,001	71	177	90	...	338
Andamans	1,161	9	138	109	1,437	...	...	...	...	...	1,786	74	1,408	214	3,482
Madras	23,168	2,40,778	410	268	2,64,624	...	8,18,276	14,228	5,795	8,38,299	58,509	11,28,179	2,509	1,268	11,90,465
Bombay	163	65,057	1,641	12,000	78,861	30,930	4,19,943	15,586	3,66,230	8,32,689	36,492	1,43,044	484	37,926	2,17,946
Total 1920-21	83,354	10,40,193	24,389	59,117	12,07,053	40,851	34,03,389	8,01,609	30,14,370	72,60,219	20,23,005	25,73,501	2,99,280	2,37,569	51,33,355
„ 1919-20	1,75,122	13,50,352	31,136	58,917	16,15,527	1,79,952	36,44,395	7,64,529	30,20,093	76,08,969	27,25,985	31,42,920	2,54,989	2,80,307	64 04,201
„ 1918-19	2,24,783	13,04,361	32,057	60,223	16,21,424	1,76,977	36,64,113	7,69,976	30,28,511	76,39,577	16,48,808	26,87,396	2,85,657	3,25,806	49,47,267
„ 1917-18	1,81,822	12,91,998	22,568	60,556	15,59,944	65,204	35,47,175	6,91,823	30,12,452	73,16,154	15,49,180	27,31,450	2,42,627	2 76 101	47,99,458
„ 1916-17	64,860	13,39,508	20,376	58,803	14,53,545	6,559	33,82,113	6,45,729	30,22,383	70,56,084	8,75,284	25,59,752	2,66,010	2,45,708	39,46,754

STATEMENT XV.

Exports of forest produce.

ARTICLES OF FOREST PRODUCE.	QUANTITY IN TONS OF 20 CWT. IN THE CASE OF TEAK AND OTHER TIMBERS, CUBIC TONS.		VALUATION AT PORT OF SHIPMENT IN 1920-21.	
	Average of 5 years 1915-16 to 1919-20.	In 1920-21.	Total.	Per ton.
(1)	(2)	(3)	(4)	(5)
			Rs.	Rs.
Caoutchouc, raw	4,304	6,256	1,55,3 822	2,480
Lac — Button	355	546	32,20,562	5,898
Lac — Shell	15,345	14,013	7,16,30,969	5,112
Lac — Stick, seed and other kinds	1,659	888	9,74,265	1,097
Cutch and gambier	3,618	1,969	8,73,060	443
Myrabolans	59,837	39,647	40,78,089	103
Cardamoms	373	285	8,74,690	3,069
Sandal	(a)	244	4,40,009	1,803
Ebony and other ornamental woods	(a)	(a)	47,327	
Teak	30,853	39,272	1,09,69,186	279
Other timbers	3,872	6,174	8,57,386	139
Total 1920-21	...	...	10,94,79,365	...
„ 1919-20	...	...	11,78,26,638	...
„ 1918-19	...	...	6,78,92,745	...
„ 1917-18	...	...	6,46,30,998	...
„ 1916-17	...	...	2,99,84,737	...

(a) Quantity (whether by weight or measurement) is not recorded.

STATEMENT XV (*a*).

Year (calendar).	Imports of timber into British India 1917 to 1921.		Imports of sleepers of wood * for railways into British India 1917 to 1921.	
	Cubic tons.	Rs.	Tons.	
1917	97,346	1,32,16,785	69	7,785
1918	37,874	62,16,348	...	...
1919	59,940	1,10,85,879	222	29,580
1920	68,560	1,16,08,544	10,272	19,89,780
1921	60,381	91,99,142	23,681	46,78,556

* Includes sleepers of Jarrah and other wood.

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	1,415	21,774	52,563	26,669	6,686	1,09,107
United Provinces	73,490	1,49,325	6,463	3,02,442	54,504	5,86,224
Punjab	76,738	8,54,851	90	19,85,313	44,027	29,61,019
Burma	1,42,680	17,828	18,735	78,937	2,74,838	5,33,018
Bihar and Orissa	20,266	1,41,477	20,537	89,110	21,403	2,92,833
Assam	48,738	60,100	15,418	4,52,995	2,05,504	7,82,755
Central Provinces	18,426	93,091	11,044	11,17,957	62,656	13,03,174
Coorg	...	...	...	1,382	...	1,382
North-West Frontier Province	3,798	43,447	...	23,709	130	71,084
Ajmer	183	121	...	50,383	...	50,687
Baluchistan	610	...	...	34	...	644
Andamans	1,705	8,926	246	...	1,623	12,500
Madras	20,666	2,001	563	14,926	2,699	40,885
Bombay	96,991	9,89,825	28,759	7,03,086	2,22,827	20,41,488
Total 1920-21	5,05,706	23,82,766	1,54,418	48,47,013	8,96,897	87,86,800
1919-20	5,20,673	23,62,480	1,68,218	49,95,316	7,12,909	87,59,543
1918-19	6,96,817	23,74,312	1,69,588	50,79,417	7,82,103	90,42,237
1917-18	7,26,898	23,84,578	1,56,197	50,41,212	6,96,633	90,05,019
1916-17	7,68,685	23,58,964	1,37,104	46,31,902	7,05,309	85,96,964

STATEMENT XVII.

Details of revenue and expenditure for the year 1920-21.

				Rs.	Percentage of each item to total.
Gross Receipts	(a) Wood			3,64,71,899	78·6
	(b) Minor forest produce			27,91,086	6·0
	(c) Forest stamps and commutation fees for forest produce			69,323	·1
	(d) Grazing			34,09,132	7·3
	(e) Revenue from forests not managed by Government			2,67,000	·6
	(f) Miscellaneous			34,10,741	7·4
			Total Revenue	4,64,19,181	...
Expenditure	A. Recurring	(a) Administration.	(i) Superior Staff	38,42,848	13·6
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).	47,59,676	16·8
			(iii) Office Establishments (including Contingencies).	23,90,406	8·4
		(b) Working	(1) Extraction	93,38,859	33·0
			(2) Roads and Buildings	33,19,576	11·7
			(3) Fire protection	3,60,620	1·3
			(4) Cultural operations	9,54,428	3·4
			(5) Live-stock, stores and plant	14,10,629	5·0
			(6) Working-Plans	55,733	0·2
			(7) Rent for leased forests	3,31,595	1·2
			(8) Miscellaneous	8,60,433	3·1
		(c) Expenditure on realization of revenue from forests not managed by Government.		49,253	0·2
		(d) Forest Science and Education (including all "A" and "B" charges of Imperial Forest College and Research Institute.*		3,15,769	1·1
			Total	2,79,89,825	
	B. Extraordinary	(e) Forest Settlement		52,297	0·2
		(f) Forest Survey		1,51,330	0·5
		(g) Forest Demarcation		1,13,210	0·4
			Total	3,16,837	
			GRAND TOTAL OF EXPENDITURE	2,83,06,662	
			Net Revenue	1,81,12,519	

* Expenditure under this head in provinces has been included in (a) Administration.

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma.	Bihar and Orissa.	Assam.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
REVENUE.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Timber and other produce removed from the forests by Government agency.	20,066	4,40,417	31,61,084	24,39,696	64,87,107	14,039	1,39,780
II.—Timber and other produce removed from the forests by consumers or purchasers.	6,974	16,80,348	53,76,214	5,96,309	1,17,12,898	7,53,788	11,67,383
III.—Drift and waif wood and confiscated forest produce.	...	9,082	7,346	97,399	2,88,941	4	17,437
IV.—Revenue from forests not managed by Government.	70	...	71,687	7,597	1,90,819	...	53,828
V.—Miscellaneous	12	54,916	1,63,450	6,64,057	2,95,295	42,771	1,53,516
Total Revenue .	27,122	21,84,763	87,79,781	38,05,058	1,89,75,060	8,10,602	15,31,944
EXPENDITURE.							
A.—Conservancy and Works.							
I.—Timber and other produce removed from the forest by Government agency.	5,130	2,28,384	28,46,628	15,99,624	22,53,268	15,415	79,766
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,57,391	1,19,805	4,822	2,50,872	17,869	67,011
III.—Drift and waif wood and confiscated forest produce.	...	1,447	2,648	38,937	1,30,252	12	1,203
IV.—Revenue from forests not managed by Government.	...	...	53,909	...	259	...	1,623
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	555	2,61,032	31,827	...	...	45,066
VI.—Live-stock, stores, tools and plant . . .	...	57,274	4,24,688	2,81,019	2,72,213	14,266	38,517
VII.—Communications and buildings . . .	632	1,75,476	10,80,522	1,96,235	4,92,495	1,18,349	1,10,580
VIII.—Demarcation, improvements and extension of forests.	...	1,77,351	4,04,057	1,41,192	3,92,671	53,821	30,097
IX.—Miscellaneous	125	18,353	87,375	5,00,718	97,211	6,605	17,750
Total A.—Conservancy and Works .	5,887	8,16,231	52,80,664	27,44,374	38,92,541	2,26,337	3,91,613
B.—Establishments.							
I.—Salaries	1,59,740	4,09,821	13,74,170	6,38,751	27,41,090	3,08,320	4,55,990
II.—Travelling Allowances	396	84,141	2,09,039	1,25,332	4,41,464	39,235	84,773
III.—Contingencies	2,970	26,557	1,79,705	67,292	2,31,919	15,226	34,225
Total B.—Establishments .	1,63,106	5,20,519	17,62,914	8,31,375	34,14,473	3,62,781	5,74,988
Grand Total of Expenditure .	1,68,993	13,36,750	70,43,578	35,75,749	73,07,014	5,89,118	9,66,601
Surplus .	...	8,48,013	17,36,203	2,29,309	1,16,68,046	2,21,484	5,65,343
Deficit .	1,41,871	...	...	...	...	...	...
Proportion of surplus to gross revenue . .	...	39	20	6	62	27	37
Net revenue per square mile of forest area under control of Forest Department.	...	80	233	35	80	73	26

MENT XVIII.

Forest Department in India for the financial year 1920-21.

Central Provinces.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	South and North Andamans.	Forest College and Research Institute.	Forest Surveys (Imperial).	Madras.	Bombay.	TOTAL.
(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
6,61,872	3,79,419	1,49,118	15,716	7,266	5,87,981	...	...	16,45,051	23,87,403	1,85,35,965
35,23,594	38,111	51,357	24,327	7,455	6,756	...	...	32,01,554	42,63,788	3,24,10,856
1,282	...	2,523	16	...	...	...	...	15,866	12,138	4,52,034
19,845	...	2,565	...	6,314	...	...	...	...	11,133	3,63,858
1,87,933	9,821	14,216	8,053	1,509	29,687	12,648	...	5,18,775	2,24,123	23,80,782
43,94,526	4,27,351	2,19,779	48,112	22,544	6,24,374	12,648	...	53,81,246	68,98,585	5,41,43,495
2,02,941	74,798	2,58,525	5,024	3,497	8,91,469	...	...	3,97,011	19,47,421	1,08,11,901
1,61,142	...	293	782	6	636	...	...	1,31,193	71,499	9,83,321
19	...	401	...	...	...	...	...	1,605	244	1,76,768
844	...	...	...	140	...	...	...	...	...	56,775
...	...	26,913	...	...	...	...	...	5,179	39,815	4,10,387
53,354	62,772	12,380	144	57	1,00,613	29,014	...	3,26,983	87,226	17,10,520
2,95,652	1,47,459	34,274	4,916	127	71,983	7,874	...	5,54,032	5,16,278	38,06,884
1,88,472	60,034	3,717	1,952	17	1,18,889	...	90,448	3,64,323	2,79,329	23,06,670
45,941	7,975	6,025	909	409	18,510	42,328	...	28,659	1,00,983	9,79,876
9,48,365	3,53,038	3,42,528	13,727	4,253	12,02,100	79,216	90,448	18,08,985	30,42,795	2,12,43,102
15,02,570	93,160	89,592	19,259	21,079	1,11,174	3,07,991	...	21,20,054	19,30,549	1,22,83,310
1,55,034	15,663	13,427	2,763	2,774	10,799	32,718	...	4,02,976	2,45,123	18,65,657
1,27,632	4,897	8,650	1,668	655	3,857	37,559	...	1,98,471	86,555	10,27,838
17,85,236	1,13,720	1,11,669	23,690	24,508	1,25,830	3,78,268	...	27,21,501	22,62,227	1,51,76,805
27,33,601	4,66,758	4,54,197	37,417	28,761	13,27,930	4,57,484	90,448	45,30,486	3,05,022	3,64,19,907
16,60,925	...	...	10,695	...	...	...	...	8,50,760	15,93,563	1,93,84,341
...	39,407	2,34,418	...	6,217	7,03,556	4,44,836	90,448	...	...	15,60,753
38	...	...	22	...	...	...	...	16	23	33
85	...	...	75	...	...	...	...	44	127	71

STATE

Revenue of the Forest Department throughout India for the 22 financial years

(I) REVE

PROVINCE.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	2,175	31,717	25,429	10,866	5,147	9,688	6,090
Bengal†	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910
United Provinces	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740
Punjab	6,87,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770
Burma	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,13,050
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	1,01,098	1,91,887	2,32,055	3,83,750	4,15,912	5,68,100
Central Provinces and Berar	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490
Coorg	93,491	78,887	1,03,170	1,13,024	1,53,136	1,38,456	1,62,410
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	65	1,152	4,475	11,859	15,233	14,162	10,270
Baluchistan	...	...	8,556	10,973	17,998	15,330	17,060
Andamans	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,500
Imperial Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210
Forest Surveys (Imperial)	...	17	139	206	668	300	420
Madras	6,03,243	5,88,389	8,06,020	13,00,481	17,14,328	21,10,988	22,02,290
Bombay	11,77,673	12,28,561	18,93,818	30,11,214	33,54,893	30,46,244	24,15,200
GRAND TOTAL	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	7,666	8,189	10,682	8,662	10,680	12,837	11,471
Bengal†	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111
United Provinces	24,0[illegible],745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487
Punjab	14,57,449	12,88,792	10,32,633	12,17,988	13,10,077	12,39,033	13,54,948
Burma	86,63,989	91,92,032	93,58,077	10,07,117	99,67,594	1,09,22,393	1,14,25,430
Bihar and Orissa	...	...	...	...	4,07,213	4,38,958	4,91,735
Assam‡	14,30,447	14,46,368	15,54,732	18,90,635	11,46,320	11,42,091	10,97,969
Central Provinces and Berar	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453
Coorg	2,74,756	2,24,380	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227
North-West Frontier Province	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741
Ajmer	29,864	27,615	23,990	33,846	26,361	36,596	32,897
Baluchistan	24,829	23,305	18,729	23,212	20,117	20,159	19,988
Andamans	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811
Imperial Forest College and Research Institute.	6,137	4,680	4,909	4,080	5,550	7,611	5,806
Forest Surveys (Imperial)	...	...	...	...	...	...	...
Madras	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320
Bombay	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156
GRAND TOTAL	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred

MENT XIX.

from 1899-1900 to 1920-21 and the average of 6 quinquennial years from 1869-70 to 1898-99.

NUE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	PROVINCE.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
2,463	3,484	3,659	7,455	3,768	7,255	...	Imperial.*
12,33,339	12,92,237	12,53,247	10,65,523	11,67,472	11,18,542	10,65,859	Bengal.†
15,65,463	17,15,508	20,25,324	22,80,446	23,97,318	24,33,428	25,02,664	United Provinces.
13,50,842	14,47,558	15,86,408	17,17,797	18,74,443	17,81,653	16,05,284	Punjab.
80,54,444	58,73,938	67,39,053	62,68,535	89,59,756	1,03,29,869	98,12,519	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
5,49,521	5,12,963	5,80,200	6,75,732	8,15,677	11,06,096	13,20,592	Assam.‡
12,65,614	15,79,116	16,84,428	19,96,032	20,13,459	24,49,131	24,01,159	Central Provinces and Berar.
1,37,596	1,70,242	1,90,730	2,24,031	1,93,087	2,45,419	2,35,909	Coorg.
...	13,012	1,01,123	1,01,993	90,991	1,28,529	1,83,214	North-West Frontier Province.
10,646	6,865	9,736	13,884	17,297	15,002	18,335	Ajmer.
16,956	14,712	19,336	18,363	22,555	21,481	21,195	Baluchistan.
2,77,886	2,66,903	3,26,035	4,32,381	6,20,796	5,82,511	6,07,027	Andamans.
3,697	3,545	3,252	3,038	3,557	3,080	4,579	Imperial Forest College and Research Institute.
327	478	3,034	421	...	...	...	Forest Surveys (Imperial).
23,40,170	25,43,430	26,13,819	26,57,727	28,29,216	29,67,604	32,90,669	Madras.
29,61,529	23,79,729	23,29,156	27,51,539	30,20,558	38,34,993	34,22,481	Bombay.
1,97,70,493	1,78,23,715	1,04,71,540	2,22,16,747	2,40,29,950	2,66,74,593	2,64,91,486	GRAND TOTAL.

1914-15.	1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
12,047	23,457	24,546	51,720	27,488	24,527	27,122	Imperial.*
13,04,496	11,45,610	13,38,779	13,76,969	19,44,104	20,51,237	21,84,763	Bengal.†
31,35,235	37,38,831	50,40,932	61,16,697	66,37,166	74,71,954	87,79,781	United Provinces.
14,38,005	17,27,283	16,87,801	21,17,776	21,54,178	38,45,878	38,05,058	Punjab.
97,07,694	96,99,217	1,28,79,531	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	Burma.
5,49,779	5,17,727	5,29,081	7,53,625	9,44,763	8,17,458	8,10,602	Bihar and Orissa.
8,32,877	10,55,052	11,48,621	13,09,956	14,92,718	14,81,590	15,31,944	Assam.‡
32,72,529	32,78,262	33,71,578	34,66,493	34,88,422	45,46,723	43,94,526	Central Provinces and Berar.
1,99,237	4,49,155	4,87,314	4,58,673	6,77,873	9,48,028	4,27,351	Coorg.
2,36,013	1,86,815	2,40,985	3,27,711	3,81,322	4,62,541	2,19,779	North-West Frontier Province.
31,170	23,445	21,272	27,733	37,280	34,914	48,112	Ajmer.
19,058	21,633	18,277	17,934	25,108	17,937	22,544	Baluchistan.
3,39,248	4,34,784	6,49,711	7,93,656	11,84,383	8,00,795	6,24,374	Andamans.
8,617	6,995	8,199	8,304	9,083	8,308	12,648	Imperial Forest College and Research Institute.
...	...	...	...	...	...	...	Forest Surveys (Imperial).
39,41,537	41,06,838	45,96,126	54,58,489	47,91,460	62,34,149	53,81,246	Madras.
46,80,242	47,01,263	55,19,177	63,12,022	1,04,94,031	84,94,488	68,98,585	Bombay.
2,97,09,784	3,11,16,367	3,70,61,960	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

Expenditure of the Forest Department throughout India for the 22 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550
Bengal†	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210
United Provinces	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380
Punjab	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460
Burma	4,02,847	6,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140
Central Provinces and Berar	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820
Coorg	40,684	36,591	62,248	78,907	77,016	82,146	74,220
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	6,197	18,692	13,197	17,620	14,061	16,722	15,350
Baluchistan	...	...	12,594	16,130	39,452	33,508	28,680
Andamans	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940
Imperial Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550
Forest Surveys (Imperial)	11,911	63,288	40,447	24,477	24,491	31,936	33,980
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530
Bombay	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430
Grand Total	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	1,00,204	1,04,183	1,04,282	92,606	94,714	1,04,162	99,296
Bengal†	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157
United Provinces	11,94,013	12,22,436	12,09,308	12,37,938	13,63,673	16,29,264	18,96,014
Punjab	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177
Burma	35,51,532	37,17,247	36,82,618	38,42,799	41,31,162	41,38,584	42,74,901
Bihar and Orissa	...	...	...	...	3,00,916	3,75,894	3,55,648
Assam‡	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240
Central Provinces and Berar	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129
Coorg	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514
North-West Frontier Province	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023
Ajmer	18,188	19,916	19,272	19,918	22,343	29,714	23,595
Baluchistan	31,258	36,586	26,549	26,387	28,947	28,527	25,310
Andamans	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676
Imperial Forest College and Research Institute.	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338
Forest Surveys (Imperial)	27,060	39,128	41,062	41,140	38,798	35,809	37,743
Madras	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817
Bombay	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877
Grand Total	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred

MENT XIX.

from 1899-1900 to 1920-21 and the average of 6 quinquennial years from 1869-70 to 1898-99.

DITURE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	PROVINCE.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,578	79,539	85,017	89,345	83,058	83,767	95,472	Imperial.*
5,70,806	6,57,131	6,38,014	7,03,508	6,88,589	5,93,509	6,33,386	Bengal.†
9,63,439	10,08,789	10,13,998	10,81,438	13,91,583	14,05,182	13,06,651	United Provinces.
8,87,343	9,38,335	9,60,095	11,56,415	10,12,354	12,65,664	11,44,403	Punjab.
26,54,717	24,46,457	28,90,263	33,52,404	34,46,924	39,38,063	36,59,753	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
3,47,972	3,29,112	3,27,498	4,25,484	5,03,656	5,93,910	7,07,860	Assam.‡
11,65,866	12,00,904	12,57,288	12,80,966	13,20,615	13,07,153	13,42,898	Central Provinces and Berar.
70,905	82,333	89,437	92,191	83,820	95,748	1,02,855	Coorg.
...	19,510	54,086	60,603	74,958	95,258	92,650	North-West Frontier Province.
16,782	15,927	16,377	16,680	15,641	17,131	16,715	Ajmer.
29,254	24,480	23,240	21,697	24,672	25,743	26,322	Baluchistan.
1,40,137	2,04,667	2,81,702	2,66,121	3,42,431	3,35,985	2,95,136	Andamans.
71,238	76,290	66,338	59,339	61,424	80,669	1,37,486	Imperial Forest College and Research Institute.
33,991	33,730	33,985	33,935	28,229	30,044	30,389	Forest Surveys (Imperial).
17,15,431	17,09,554	18,35,552	17,50,930	19,86,698	22,66,602	24,80,660	Madras.
24,08,581	17,19,680	16,76,441	17,75,937	19,08,804	21,26,093	19,90,183	Bombay.
1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856	1,42,58,521	1,40,63,799	GRAND TOTAL.

1914-15.	1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
99,478	1,09,502	1,03,248	90,332	1,10,638	1,32,777	1,68,993	Imperial.*
6,70,935	5,93,635	6,19,649	7,38,712	8,25,835	9,72,307	13,36,750	Bengal.†
23,17,740	25,66,307	27,35,915	32,04,928	45,98,963	61,55,475	70,43,578	United Provinces.
8,89,202	9,23,878	9,34,662	11,58,048	17,95,804	24,16,120	35,75,749	Punjab.
46,80,447	48,86,241	49,36,588	54,87,179	56,91,982	65,38,200	73,07,014	Burma.
3,84,371	3,61,550	4,47,972	3,90,716	4,30,849	5,06,800	5,89,118	Bihar and Orissa.
8,98,339	7,55,214	6,76,033	6,86,627	6,90,961	8,21,717	9,66,601	Assam.‡
19,36,569	17,34,336	17,68,775	18,72,124	20,15,548	23,76,230	27,33,631	Central Provinces and Berar.
1,75,883	1,76,633	1,60,492	1,99,941	4,25,572	5,07,547	4,66,758	Coorg.
1,25,539	1,04,795	1,18,070	1,53,875	2,07,357	3,01,453	4,54,197	North-West Frontier Province.
21,783	25,152	26,634	26,504	28,508	47,282	37,417	Ajmer.
26,000	27,995	26,929	29,990	28,787	25,314	28,761	Baluchistan.
2,58,056	4,30,832	4,28,652	3,57,724	6,12,826	9,71,491	13,27,930	Andamans.
3,31,091	2,78,518	3,05,498	2,89,694	2,98,048	3,18,503	4,57,484	Imperial Forest College and Research Institute.
42,353	48,663	47,407	56,597	59,110	59,953	90,448	Forest Surveys (Imperial).
28,60,685	29,27,318	28,42,678	30,20,349	31,82,520	36,93,348	45,30,486	Madras.
24,87,925	26,42,088	25,64,681	33,53,714	78,72,197	59,18,682	53,05,022	Bombay.
1,82,06,450	1,85,92,607	1,87,43,883	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 22 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460
Bengal†	53,284	77,748	2,51,431	2,87,037	3,62,284	5,10,712	5,93,700
United Provinces	2,96,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960
Central Provinces and Berar	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,199
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,060
Baluchistan	...	...	—4,038	5,157	—21,454	—18,178	—11,620
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660
Imperial Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340
Forest Surveys (Imperial)	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770
Grand Total	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—92,588	—95,994	—93,700	—86,944	—84,034	—91,825	—87,825
Bengal†	4,84,256	6,00,864	4,89,541	5,24,159	4,16,063	19,39,807	9,75,954
United Provinces	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473
Punjab	2,80,753	4,37,165	3,64,881	4,77,446	5,44,981	4,39,857	4,35,766
Burma	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529
Bihar and Orissa	...	...	...	...	1,06,297	63,064	1,36,087
Assam‡	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729
Central Provinces and Berar	7,06,731	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324
Coorg	1,69,937	1,24,735	1,65,307	1,68,376	1,73,996	1,20,108	1,50,713
North-West Frontier Province	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718
Ajmer	11,676	7,699	4,718	13,928	4,018	6,882	10,302
Baluchistan	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322
Andamans	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135
Imperial Forest College and Research Institute.	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532
Forest Surveys (Imperial)	—27,060	—39,128	—41,062	—41,140	—38,799	—35,809	—37,743
Madras	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503
Bombay	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279
Grand Total	1,13,50,046	1,07,60,765	1,11,05,140	1,21,61,461	1,21,10,793	1,50,01,999	1,57,58,090

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred

MENT XIX.

from 1899-1900 to 1920-21 and the average of 6 quinquennial years from 1869-70 to 1898-99.

PLUS.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	PROVINCE.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—81,115	—76,055	—81,358	—81,890	—79,290	—76,512	—95,472	Imperial.*
6,62,533	6,35,106	6,18,233	3,62,015	4,78,883	5,25,033	4,32,473	Bengal.†
6,02,024	7,06,769	10,11,326	11,99,008	10,05,735	10,28,246	11,96,013	United Provinces.
4,63,499	5,09,223	6,26,313	5,61,382	3,62,089	5,17,989	4,60,881	Punjab.
53,99,727	32,27,481	38,48,790	49,16,131	55,12,332	63,91,806	61,52,766	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
2,01,549	1,83,851	2,52,701	2,50,248	3,18,021	5,12,186	6,12,732	Assam.‡
99,748	3,78,212	4,37,140	7,17,066	6,92,844	11,41,978	10,58,281	Central Provinces and Berar.
66,691	87,909	1,01,293	1,31,840	1,09,267	1,49,671	1,33,054	Coorg.
...	6,498	47,038	41,230	16,033	33,271	89,564	North-West Frontier Province.
—6,136	—9,062	—6,641	2,796	1,656	—2,129	1,620	Ajmer.
—12,298	—9,768	—3,904	3,334	—2,117	—4,262	—5,127	Baluchistan.
1,37,749	62,236	44,333	1,66,260	2,78,365	2,46,526	3,11,891	Andamans.
—67,541	—72,745	—63,086	—56,301	—57,867	—77,589	—1,32,907	Imperial Forest College and Research Institute.
—33,664	—33,257	—30,951	—33,504	—28,229	—30,044	—30,389	Forest Surveys (Imperial).
6,24,739	8,33,876	7,78,267	9,06,797	8,43,118	7,01,002	8,10,009	Madras.
5,52,948	6,60,040	6,52,715	9,75,662	11,16,954	13,58,900	14,32,298	Bombay.
86,10,453	70,77,327	82,22,209	1,09,49,754	1,10,62,094	1,24,16,072	1,24,27,687	GRAND TOTAL.

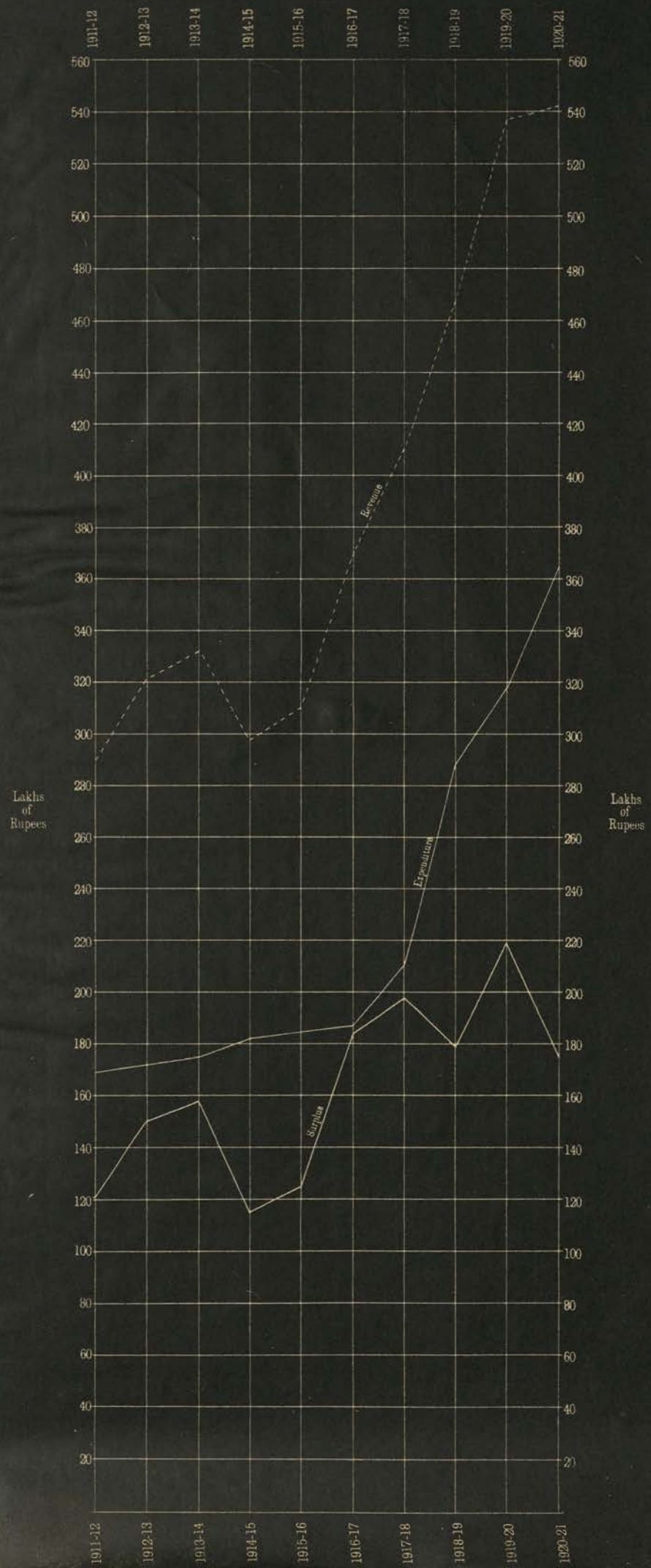
1914-15.	1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—87,431	—86,045	—78,702	—88,612	—83,150	—1,08,250	—1,41,871	Imperial.*
6,33,561	5,51,675	7,19,180	6,38,257	11,18,269	10,78,930	8,48,013	Bengal.†
8,17,495	11,72,524	23,05,017	29,11,769	20,38,203	13,16,479	17,36,203	United Provinces.
5,48,703	8,03,405	7,53,139	9,59,728	3,58,374	14,29,758	2,29,309	Punjab.
50,27,247	48,12,976	74,42,943	68,74,320	68,36,870	98,97,062	1,16,68,046	Burma.
1,65,408	1,56,177	81,109	3,62,909	5,13,914	3,10,658	2,21,484	Bihar and Orissa.
—65,462	2,99,338	4,72,588	6,23,329	8,01,757	6,59,873	5,65,343	Assam.‡
13,35,960	15,43,926	16,02,803	15,94,369	14,72,874	21,70,493	16,60,925	Central Provinces and Berar.
23,404	2,72,522	3,26,822	2,58,732	2,52,301	4,40,481	—39,407	Coorg.
1,12,420	82,020	1,22,915	1,83,836	1,73,965	1,61,088	—2,34,418	North-West Frontier Province.
9,437	—1,707	—5,362	1,229	8,772	—12,368	10,685	Ajmer.
—6,942	—6,362	—8,652	—12,065	—3,679	—7,377	—6,217	Baluchistan.
81,192	3,952	2,21,059	3,95,932	5,71,557	—1,70,696	—7,03,556	Andamans.
—3,22,474	—2,71,523	—2,97,299	—2,81,390	—2,88,965	—3,10,195	—4,44,836	Imperial Forest College and Research Institute.
—42,353	—48,663	—47,407	—56,597	—59,110	—59,953	—90,448	Forest Surveys (Imperial).
10,80,852	11,79,520	17,53,448	24,38,140	16,08,940	25,40,801	8,50,760	Madras.
21,92,317	20,59,225	29,54,496	29,58,308	26,21,834	25,75,756	15,93,583	Bombay.
1,15,03,334	1,25,23,760	1,83,18,047	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,538	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

DIAGRAM SHOWING

ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS.

FOR THE 10 YEARS 1911-12 TO 1920-21



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Annual Return

OF

Statistics

RELATING TO

Forest Administration

IN

British India

FOR THE YEAR

1921-22.

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APPENDIX.

1. Diagram showing annual forest revenue, expenditure and surplus for the 10 years 1912-13 to 1921-22.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Bengal	78,668	(*a*) 4,892	(*b*) 1,702	4,030	10,624	13·5	(*a*) Excludes 18 sq. miles of reserved forests not under the management of the Forest Department. (*b*) Excludes 54 sq. miles not under the control of the Forest Department.
United Provinces	106,720	(*c*) 7,373	4	67	7,444	7·0	(*c*) Includes 156 sq. miles of leased forests.
Punjab	97,281	(*d*) 2,058	(*e*) 4,035	(*f*) 522	6,615	6·8	(*d*) Includes 358 sq. miles of leased forests, but excludes 111 sq. miles of reserved forests not under the control of the Forest Department. (*e*) Excludes 361 sq. miles not under the control of the Forest Department. (*f*) Excludes 217 sq. miles not under the control of the Forest Department.
Burma	243,232*	30,086	..	114,622	144,708	59·5	
Bihar and Orissa	82,987	1,751	(*g*) 1,271	10	3,032	3·7	(*g*) Excludes 794 sq. miles not under the control of the Forest Department.
Assam	49,247	5,584	..	15,879	21,463	43·6	
Central Provinces (including Berar).	99,947	(*h*) 19,792	..	..	19,792	19·8	(*h*) Includes 174 sq. miles of leased forests, but excludes 26 sq. miles not under the control of the Forest Department.
Coorg	1,582	520	..	..	520	32·9	
North-West Frontier Province.	13,057	(*i*) 236	(*j*)	..	236	1·8	(*i*) Excludes 14 sq. miles of Military and Civil reserved forests. (*j*) 121 square miles of civil protected forests are not shown.
Ajmer	2,767	142	(*k*)	..	142	5·1	(*k*) There are only 115 acres of protected forests in Ajmer.
Baluchistan (portions under British Administration).	54,228†	313	..	472	785	1·4	
Andamans and Nicobar	3,143†	85	..	2,122	2,207	70·2	
Madras	142,257	18,863	..	(*l*) 441	19,304	13·6	(*l*) Reserved lands.
Bombay (including Sind)	123,225	(*m*) 12,094	(*m*) 538	..	12,632	10·3	(*m*) Excludes forest in charge of the Revenue Department.
Total 1921-22	1,098,341‡	103,789	7,550	138,165	249,504	22·7	
„ 1920-21	1,082,266	103,491	7,516	139,466	250,473	23·1	
„ 1919-20	1,080,814	103,008	7,941	140,005	250,949	23·2	
„ 1918-19	1,080,794	101,639	8,557	141,272	251,468	23·3	
„ 1917-18	1,080,650	101,233	8,752	141,527	251,512	23·3	

* Including 60,593 sq. miles for the Shan States and Karenni.
† Figures taken from the census report of 1921.
‡ Excluding Delhi Province and Pargana Manpur.

STATEMENT II.

Progress made in Forest Settlements during the year 1921-22.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Bengal	4	26	17	2,240	..	..
United Provinces . .	30	30	3	99	..	..
Punjab	11	13	..	..	..	..
Burma	157	2,957	307	31,573	..	229
Bihar and Orissa . .	41	38	50	..	..	..
Assam	34	119	40	378	..	75
Central Provinces . .	2	3	1	..	..	..
Coorg	..	..	..	..	..	..
North-West Frontier Province.	..	..	..	..	..	..
Ajmer	..	..	..	..	..	..
Baluchistan . . .	..	313	..	..	..	..
Andamans . . .	..	85	..	..	..	..
Madras	84	394	25	3,553	..	..
Bombay	117	102	46	964	..	..
Total 1921-22 .	480	4,081	489	38,807	..	..
„ 1920-21 .	758	4,388	315	11,484	1,961	..
„ 1919-20 .	1,774	3,876	1,982	32,671	..	..
„ 1918-19 .	561	3,593	1,359	34,303	..	..
„ 1917-18 .	885	8,654	277	29,911	..	..

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal . . .	31	966	818	1,815	92	1,124	3,031	698	8,968
United Provinces .	9	2,664	9,404	12,077	10	2,696	14,783	11,657	22,090
Punjab . . .	268	1,133	7,757	9,158	40	1,252	10,450	3,354	3,440
Burma . . .	185	3,604	13,961	17,750	224	3,721	21,695	3,788	28,361
Bihar and Orissa .	111	3,406	1,126	4,643	..	358	5,001	744	1,341
Assam . . .	53	1,210	1,145	2,408	37	2,064	4,509	1,587	6,641
Central Provinces .	69	7,928	22,368	30,365	231	3,218	33,814	799	12,687
Coorg . . .	..	..	480	480	..	56	536	10	14
North-West Frontier Province.	..	124	653	777	..	139	916	..	948
Ajmer . . .	..	1	242	243	..	158	401	..	221
Baluchistan . .	..	..	460	460	..	77	537	..	..
Andamans . .	..	..	24	24	33	72	129	..	..
Madras . . .	162	21,692	9,323	31,182	753	2,110	34,045	7,224	11,535
Bombay . .	74	24,317	15,357	39,748	107	2,825	42,680	1,195	3,672
Total 1921-22 .	962	67,045	83,123	151,130	1,527	19,870	172,527	31,056	99,918
,, 1920-21 .	922	59,827	90,443	151,192	1,400	19,776	172,368	20,853	87,481
,, 1919-20 .	865	64,505	86,330	151,700	1,564	19,009	172,273	30,306	90,578
,, 1918-19 .	1,171	60,939	89,269	151,379	1,579	18,483	171,441	24,836	93,672
,, 1917-18 .	1,094	67,024	82,908	151,026	2,077	18,493	171,596	24,368	113,914

STATEMENT IV.

Forest Survey Operations from 1st April 1921 to 31st March 1922.

PROVINCE.	Forest surveyed.	NATURE OF SURVEY OPERATIONS.						TOTAL AREA OF DETAIL SURVEY.		Expenditure of the year including mapping and publishing charges debitable to Forests.	REMARKS.
		1" DETAIL SURVEY.		2" DETAIL SURVEY.		4" DETAIL SURVEY.		1921-22	Total upto date.		
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		sq. m.	Rs.	sq. m.	Rs.	sq. m.	Rs.	sq. m.	sq. m.	Rs. A. P.	
Bengal	Darjeeling	..	..	..	..	..	..	..	3,265	374 0 0	
	Buxa	..	..	..	..	..	..	..			
United Provinces	Dehra Dun	..	..	..	..	..	..	..	7,024	3,044 6 0	Cost of surveys not debitable to "Forests."
	Saharanpur	..	..	..	..	..	..	..			
	Lansdowne	..	..	..	..	..	..	..			
	Ramnagar	..	..	..	..	..	..	..			
	Kalagarh	..	..	..	..	..	..	..			
	Tarai Bhabar	..	..	..	..	..	..	..			
	N. Garhwal	..	..	158	..	..	..	158			
	C. Almora	..	..	22	..	..	..	22			
	E. Almora	..	..	361	..	..	..	361			
	Naini Tal	..	..	..	..	..	..	..			
	Utilisation	..	..	..	..	..	..	..			
Punjab	Punjab	..	..	..	..	..	..	..	4,365	641 6 6	Includes cost of mapping and publishing "Annual Report map of Punjab."
	Lahore	..	..	..	..	..	..	..			
	Rawalpindi W.	..	..	..	..	..	..	..			
Burma	Katha	..	..	..	..	..	..	..	18,128	1,62,189 6 0	
	Mansi	..	..	..	..	32	811·2	32			Cost of surveys debitable to "Forests."
	S. Shan States	..	..	18	811·2	18	1,059·9	36			Ditto
	Meiktila	..	..	26	328·1	..	..	26			Cost of surveys not debitable to Forests. 37 liner miles of Boundaries were traversed.
	S. Toungoo	..	..	..	..	..	..	..			
	Ataran	..	..	170	133·6	..	..	170			Cost of surveys not debitable to Forests. 33 linear miles of Boundaries were traversed.
	S. Tenasserim	190	697	..	..	..	..	190			Cost of surveys not debitable to "Forests."
	West Salween (New Thaton).	..	..	..	..	..	..	..			250 linear miles of Boundaries were traversed. Cost debitable to "Forests."
	Bassein	..	..	147	338·4	..	..	147			332 linear miles of Boundaries were traversed. Cost of surveys and traverse debitable to "Forests."
Bihar and Orissa	Bihar and Orissa	..	..	..	..	..	..	..	1,805	442 4 0	Cost of survey not debitable to "Forests." Includes cost of mapping and publishing the "map," to illustrate the Botany of "Bihar and Orissa."
	Sonthal Parganas	1	26·4	42	47·0	..	..	42			
	Porahat	..	..	..	..	..	..	..			
Assam	Cachar	97	55·2	44	111·8	..	..	141	4,538	67 0 0	Cost of survey not debitable to "Forests."
	Nowgong	25	55·2	74	111·8	..	..	99			
	Sibsagar	..	..	34	111·8	..	..	34			

STATEMENT IV—*concld.*

Forest Survey Operations from 1st April 1921 to 31st March 1922—concld.

Province.	Forest surveyed.	Nature of Survey Operations. 1" Detail Survey. Area.	1" Detail Survey. Cost rate.	2" Detail Survey. Area.	2" Detail Survey. Cost rate.	4" Detail Survey. Area.	4" Detail Survey. Cost rate.	Total area of detail survey. 1921-22	Total area of detail survey. Total upto date.	Expenditure of the year including mapping and publishing charges debitable to Forests.	Remarks.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		sq. m.	Rs.	sq. m.	Rs.	sq. m.	Rs.	sq. m.	sq. m.	Rs. A. P.	
Central Provinces	Hoshangabad	..	..	..	..	14	178·0	14	19,514	2,433 15 0	Cost of survey debitable to "Forests."
	Betul	..	..	..	..	..	..	..			
	Melghat	..	..	..	..	..	..	..			
	Amraoti	..	..	..	..	..	..	..			
	S. Chanda	..	..	..	..	..	..	..			
Coorg	....	..	..	..	..	..	..	..	478	..	
N.-W. Frontier Province	....	..	..	..	..	..	..	..	445	..	
Ajmer	....	..	..	..	..	..	..	..	144	..	
Baluchistan	....	..	..	..	..	..	..	..	227	..	
Andamans	....	..	..	..	..	..	..	..	527	..	
Madras	Ganjam	..	..	..	..	..	..	..	16,854	5,697 0 0	Cost of survey not debitable to "Forests."
	U. Godavari	..	..	..	..	..	..	..			
	L. Godavari	..	..	..	..	..	..	..			
	Kistna	..	..	..	..	..	..	..			
	S. and W. Kurnool	6	15·1	242	57·4	..	..	248			
	Guntur	..	..	..	..	..	..	..			
	N. and S. Cuddapah	..	..	45	57·4	..	..	45			
	Chingleput	..	..	..	..	..	..	..			
	Madura	..	..	30	57·4	..	..	30			
	Tinnevelly	..	..	..	..	..	..	..			
	Cum Ramnad	..	..	..	..	..	..	..			
	S. Arcot	..	..	..	..	..	..	..			
	Nilambur	..	..	..	..	..	..	..			
Bombay	Poona	..	..	..	..	..	..	..	12,983	340 0 0	
	Nasik	..	..	..	..	..	..	..			
India	India	..	..	..	..	..	..	..	..	1,901 0 0	
Total 1921-22	1st April 1921 to 31st March 1922	319	..	1,413	..	64	..	1,796	90,307	1,77,130 0 0	Rs. Cost of mapping, and publishing "Quinquennial map of India" to 1919 . . 86,991
„ 1920-21	1st July 1920 to 31st March 1921.	86	..	1,294	..	40	..	1,420	88,511	96,573 0 0	Cost of mapping publishing and special surveys only, excludes Forest Map Office, Headquarter charge 65,125
„ 1919-20	1st July 1919 to 30th June 1920	281	..	869	..	35	..	1,185	87,091	99,325 0 0	Ditto . . 61,000
„ 1918-19	Do.	...	...	109	...	189	...	298	85,906	68,980 0 0	Ditto . . 60,569
„ 1917-18	Do.	12	...	750	...	309	...	1,071	85,608	5,174 0 0	Ditto . . 52,042

Note.—The figures in column (10) for each province have been obtained by adding column (9) to the figures given in column (10) of the published statement in Annual Return of Statistics for the year 1920-21.

STATEMENT V.

Progress made in Working Plans.

PROVINCE.	AREA UNDER SANCTIONED WORKING PLANS.					AREA NOT UNDER WORKING PLANS.				REVISIONS.			
				AT CLOSE OF YEAR.		PLANS NOT UNDER PREPARATION.							
	At commencement of the year.	Added during the year.	Deducted during the year.	Actual Area.	Percentage of total forest area (as shown in column 10).	Plans under preparation.	Required at present.	Not required at present.	Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Bengal	4,751	..	6	4,745	44·7	1,635	224	4,020	10,624	217	26	46	2,41(
United Provinces	4,510	1,549	6	6,053	81·3	940	6	445	7,444	1,444	1,570	..	35,63
Punjab	2,789	..	..	2,789	42·2	173	..	3,653	6,615	..	619	..	14
Burma	10,854	179	..	11,033	7·6	1,485	8,178	124,012	144,708	3,135	1,128	..	11,71
Bihar and Orissa	1,461	..	..	1,461	48·1	24	43	1,504	3,032	1,144	912	..	2,04
Assam	14	224	..	238	1·1	719	2,647	17,859	21,463	240	..	..	..
Central Provinces	17,033	18	22	17,029	86·0	22	218	2,523	19,792	2,623	..	..	..
Coorg	520	..	..	520	100	..	..	..	520	..	..	..	..
North-West Frontier Province.	236	..	..	236	100	..	..	..	236	236	..	..	..
Ajmer	142	..	..	142	100	..	..	..	142	..	..	..	..
Baluchistan	..	..	..	..	..	..	..	785	785	..	..	..	..
Andamans	708	..	..	708	30·7	..	..	1,499	2,207	..	..	..	..
Madras	8,095	90	..	8,185	42·4	1,509	5,354	4,256	19,304	..	..	..	..
Bombay	7,842	112	74	7,880	62·4	606	1,514	2,632	12,632	2,705	1,850	..	43
TOTAL 1921-22	58,955	2,172	108	61,019	24·5	7,113	18,184	163,188	249,504	11,744	6,105	46	52,38
„ 1920-21	59,455	1,593	1,464	59,584	23·8	8,013	18,491	164,385	250,473	8,766	4,578	2,898	51,44
„ 1919-20	60,190	452	1,122	59,520	23·7	8,704	18,151	164,561	250,936	9,052	6,919	..	24,16
„ 1918-19	60,155	1,014	499	60,670	24·0	7,970	18,204	165,661	252,505	9,397	9,233	1,079	57,33
„ 1917-18	58,557	2,282	115	60,724	24·0	7,746	18,085	166,000	252,555	9,306	10,015	..	28,99

STATEMENT VI.

Expenditure on communications and buildings.

Province.	New Works.		Repairs.		Other Works.	Total
	Buildings.	Roads.	Buildings.	Roads.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	61,561	29,374	36,831	42,819	9,876	1,80,461
United Provinces	5,22,229	93,592	1,13,399	1,36,801	42,409	9,08,430
Punjab	85,457	1,39,050	18,605	38,537	14,347	2,95,996
Burma	2,39,304	1,10,747	67,522	81,087	25,791	5,24,451
Bihar and Orissa	59,556	33,888	24,640	34,178	6,485	1,58,747
Assam	31,245	20,344	23,080	24,306	13,231	1,12,206
Central Provinces	41,755	20,147	44,711	45,111	23,268	1,74,992
Coorg	23,604	2,11,302	6,307	17,010	4,376	2,62,599
North-West Frontier Province	51,251	11,315	5,624	4,439	227	72,856
Ajmer	402	..	48	194	5,458	6,102
Baluchistan	..	..	298	..	..	298
Andamans	15,093	5,284	10,394	80,089	10,752	1,21,612
Madras	1,66,396	96,400	85,719	1,05,718	12,337	4,66,570
Bombay	1,23,566	1,82,796	32,626	65,181	24,118	4,28,287
Total 1921-22	14,21,419	9,54,239	4,69,804	6,75,470	1,92,675	37,13,607
„ 1920-21	13,73,451	8,96,500	3,55,044	5,90,017	1,40,735	33,55,747
„ 1919-20	15,01,544	9,96,550	3,74,667	5,92,748	1,49,898	36,15,407
„ 1918-19	10,86,453	9,78,215	3,10,717	5,16,577	1,29,377	30,21,339
„ 1917-18	3,52,474	4,33,281	2,80,533	4,02,362	1,19,129	15,87,779

STATEMENT VII.

Breaches of forest rules.

Province.		Cases pending from 1920-1921.	NEW CASES OF THE YEAR.					Total cases.	DISPOSED OF DURING THE YEAR.						Cases pending at close of year.
									Convictions.		Acquittals.		Total.		
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Bengal	A.	127	2	169	14	37	222	349	166	435	14	71	180	506	94
	B.	132	4	979	908	498	2,389	2,521	2,423	4,877	3	5	2,426	4,882	87
	C.	..	88	117	17	32	254	254	..	..	..	..	..	..	..
	Total	259	94	1,265	939	567	2,865	3,124	2,589	5,312	17	76	2,606	5,388	181
United Provinces	A.	65	169	160	43	123	495	560	372	1,808	151	1,196	523	3,004	37
	B.	311	70	1,547	1,707	154	3,478	3,789	3,142	9,592	482	1,817	3,624	11,409	165
	C.	..	425	201	19	26	671	671	..	..	..	..	..	..	..
	Total	376	664	1,908	1,769	303	4,644	5,020	3,514	11,400	633	3,013	4,147	14,413	202
Punjab	A.	192	21	115	160	162	458	650	366	1,064	81	339	447	1,403	196
	B.	310	18	2,164	3,907	2,085	8,234	8,544	7,962	14,266	18	28	7,980	14,294	564
	C.	..	427	14	2	2	445	445	..	..	..	..	..	..	..
	Total	502	466	2,293	4,069	2,249	9,137	9,639	8,328	15,330	99	367	8,427	15,697	760
Burma	A.	277	9	743	16	130	898	1,175	688	1,120	112	316	800	1,436	..
	B.	961	39	3,757	241	1,873	5,910	6,871	5,334	7,513	..	..	5,334	7,518	..
	C.	..	9	55	..	19	83	83	..	..	..	..	..	..	..
	Total	1,238	57	4,555	257	2,022	6,891	8,129	6,022	8,633	112	316	6,134	8,949	1,426
Bihar and Orissa	A.	54	11	123	27	63	224	278	198	832	31	223	229	1,055	41
	B.	77	8	1,369	209	74	1,660	1,737	1,546	4,624	2	4	1,548	4,628	176
	C.	..	177	..	..	..	177	177	..	..	..	..	..	..	..
	Total	131	196	1,492	236	137	2,061	2,192	1,744	5,456	33	227	1,777	5,683	217
Assam	A.	74	..	109	17	84	210	284	171	427	21	114	192	541	92
	B.	143	..	468	90	144	702	845	678	1,631	..	..	678	1,631	167
	C.	..	..	2	..	..	2	2	..	..	..	..	..	..	..
	Total	217	..	579	107	228	914	1,131	849	2,058	21	114	870	2,172	259
Central Provinces	A.	32	28	165	154	42	389	421	278	653	73	347	351	1,000	64
	B.	1,291	109	5,818	5,250	504	11,681	12,972	11,005	32,084	9	17	11,014	32,101	1,953
	C.	..	437	324	16	12	789	789	..	..	..	..	..	..	..
	Total	1,323	574	6,307	5,420	558	12,859	14,182	11,283	32,737	82	364	11,365	33,101	2,017
Coorg	A.	..	..	1	..	..	1	1	..	..	..	..	..	..	1
	B.	..	2	15	3	4	24	24	23	38	1	1	24	39	..
	C.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	..	2	16	3	4	25	25	23	38	1	1	24	39	1
North-West Frontier Province.	A.	151	28	71	47	2	148	299	116	269*	23	80	139	349‡	50
	B.	..	2	402	663	8	1,075	1,075	1,075	2,192†	..	..	1,075	2,192§	..
	C.	..	16	..	..	14	30	30	..	..	..	..	..	..	..
	Total	151	46	473	710	24	1,253	1,404	1,191	2,461	23	80	1,214	2,541‖	50

* And 39 villages. (Number of persons not given.)
† " 1 " " " "
‡ " 39 " " " "
§ " 1 " " " "
‖ " 40 " " " "

STATEMENT VII—*concld.*

Breaches of forest rules—concld.

Province		Cases pending from 1920-1921.	NEW CASES OF THE YEAR.					Total cases.	DISPOSED OF DURING THE YEAR.						Cases pending at close of year.
									Convictions.		Acquittals.		Total.		
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Ajmer	A.	1	5	2	2	1	10	11	5	12	3	728	8	740	3
	B.	2	12	252	824	234	1,322	1,324	1,293	2,078	32	58	1,325	2,136	1
	C.	..	1	1	..	..	2	2	..	..	..	..	..	..	..
	Total	3	18	255	826	235	1,334	1,337	1,298	2,090	35	786	1,333	2,876	4
Baluchistan	A.	5	..	24	12	8	44	49	38	81	3	4	41	85	8
	B.	..	..	20	21	5	46	46	46	88	..	..	46	88	..
	C.	..	1	1	..	..	2	2	..	..	..	..	..	..	..
	Total	5	1	45	33	13	92	97	84	169	3	4	87	173	8
Andamans	A.	..	..	4	..	3	7	7	7	8	..	..	7	8	..
	B.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	C.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	..	..	4	..	3	7	7	7	8	..	..	7	8	..
Madras	A.	3,989	25	5,356	1,776	383	7,540	11,529	7,394	23,274	1,071	3,462	8,465	26,736	3,064
	B.	4,629	37	13,610	5,134	810	19,591	24,220	17,061	37,472	1,977	5,880	19,038	43,352	5,182
	C.	..	1,349	493	45	22	1,909	1,909	..	..	..	..	..	..	..
	Total	8,618	1,411	19,459	6,955	1,215	29,040	37,658	24,455	60,746	3,048	9,342	27,503	70,088	8,246
Bombay	A.	277	83	218	132	73	506	783	492	1,194	64	234	556	1,428	209
	B.	2,060	220	6,204	6,197	1,120	13,741	15,801	14,199	34,745	..	..	14,199	34,745	1,480
	C.	..	1,766	1,364	29	69	3,228	3,228	..	..	..	..	..	..	..
	Total	2,337	2,069	7,786	6,358	1,262	17,475	19,812	14,691	35,939	64	234	14,755	36,173	1,689
Grand Total	A.	5,244	381	7,260	2,400	1,111	11,152	16,396	10,291	31,177	1,647	7,114	11,938	38,291	3,859
	B.	9,916	521	36,605	25,154	7,513	69,853	79,769	65,787	151,200	2,524	7,810	68,311	159,010	9,785
	C.	..	4,696	2,572	128	196	7,592	7,592	..	..	..	..	..	..	..
Total 1921-22		15,160	5,598	46,437	27,682	8,820	88,597	103,757	76,078	182,377	4,171	14,924	80,249	197,301	15,060*
„ 1920-21		14,000	3,786	33,779	25,412	6,322	69,299	83,299	60,089	145,249	2,532	7,561	62,621	152,810	15,116
„ 1919-20		14,854	4,652	43,779	31,584	7,410	87,425	10,227	78,252	186,793	2,772	8,887	81,024	195,680	14,294
„ 1918-19		11,238	4,275	44,013	31,756	6,941	86,985	98,223	73,477	173,767	2,687	8,407	76,164	182,174	14,864
„ 1917-18		11,071	4,139	45,697	31,099	5,510	86,445	97,516	75,905	177,673	2,767	11,414	78,672	189,087	11,275

N.B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

* Burma has not shown separately "A" and "B" in column 15. It has given the figures for the total of pending cases [viz., 1,426] at the close of the year.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square Miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1920-21.	1921-22.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Bengal	663	631	13·6	2·5	4·8	
United Provinces . . .	3,760	2,897	51	1·8	23	
Punjab	1,239	1,037	60·2	1·4	16·3	
Burma	179	161	0·6	6·8	10·1	
Bihar and Orissa . . .	1,367	1,208	78·1	5·1	11·6	
Assam	21	8	0·4	3·7	14·3	
Central Provinces . . .	10,290	9,074	52·0	3	11·8	
Coorg	164	162	31·5	6·7	1·2	
North-West Frontier Province	78	46	33·1	8·1	41·0	
Ajmer	141	141	99·3	·3	..	
Madras	17,324	16,679	91·8	6·4	3·7	
Bombay	10,731	10,222	...	5·3	...	
Total 1921-22 .	45,957	42,266	44·3	5·0	8·0	
„ 1920-21 .	45,779	43,225	44·2	5·1	5·6	
„ 1919-20 .	45,535	43,067	44·2	4·7	5·4	
„ 1918-19 .	45,990	43,966	45·2	4·6	4·4	
„ 1917-18 .	46,951	44,706	46·3	4·5	4·8	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in Departmental Fire Conservancy operations.		External fires crossing the Fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal . . .	..	..	1	..	14	1	1	..	58	31	74	32
United Provinces .	32	2	139	198	112	119	395	478	131	66	809	863
Punjab . .	57	35	19	7	147	44	251	169	55	6	529	261
Burma . . .	2	1	4	..	21	11	7	3	12	3	46	18
Bihar and Orissa .	8	1	17	78	17	23	11	14	55	43	108	159
Assam . . .	..	..	1	9	1	..	5	3	1	2	8	14
Central Provinces .	52	38	145	210	116	82	19	65	559	830	891	1,225
Coorg . . .	4	..	3	..	..	..	1	1	2	1	10	2
North-West Frontier Province.	..	..	14	1	21	1	50	35	6	..	91	37
Ajmer . . .	1	..	..	..	3	..	..	..	..	..	4	..
Baluchistan . .	..	..	..	..	..	..	..	..	1	5	1	5
Andamans . .	..	..	..	..	..	..	..	..	..	..	..	..
Madras . .	54	18	185	103	318	104	621	352	389	150	1,567	727
Bombay . .	30	6	188	49	459	106	136	49	1,256	311	2,069	521
Total 1921-22 .	240	101	716	655	1,229	491	1,497	1,169	2,525	1,448	6,207	3,864
„ 1920-21 .	225	113	511	660	1,034	320	676	514	1,945	1,051	4,391	2,658
„ 1919-20 .	219	86·4	672	588	1,198	341	1,112	709·1	2,246	1,076·1	5,447	2,800·6
„ 1918-19 .	219	66·3	515	567·7	1,182	290·8	1,118	427·7	1,864	858·5	4,898	2,210·6
„ 1917-18 .	205	44·1	549	341·0	1,060	308·2	1,158	959·5	1,920	815·8	4,892	2,469·1

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC

STATEMENT X.

Area closed and open to grazing.

AREA IN SQUARE MILES.

PROVINCE.	Closed to all animals.		Open to grazing.				Total area.	Remarks.
			Of all animals.		*Of all animals except browsers (camel, sheep and goats).*			
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bengal	5,801	..	4,687	..	73	63	10,624	
United Provinces	2,244	134	3,080	..	1,982	4	7,444	
Punjab	351	139	5,201	250	417	257	6,615	
Burma	22,953	..	114,654*	294	2,315	4,492	144,708	* Includes unclassed forests.
Bihar and Orissa	1,344	..	528	..	1,111	49	3,032	
Assam	4,806	111	14,725	..	1,820	1	21,463	
Central Provinces	3,052	178	4,830	..	11,367	365	19,792	
Coorg	88	419	..	..	13	..	520	
North-West Frontier Province	8	1	46	..	143	38	236	
Ajmer	64	75	..	..	3	..	142	
Baluchistan	472	108	96	96	13	..	785	
Andamans	85	..	2,122	..	..	..	2,207	
Madras	3,276	783	13,576	12	1,600	57	19,304	
Bombay	2,456	289	3,125	..	6,762	..	12,632	
Total 1921-22	47,000	2,237	166,670	652	27,619	5,326	249,504	
„ 1920-21	46,835	2,515	167,139	955	26,959	6,141	250,544	
„ 1919-20	47,161	1,602	171,683	1,885	25,742	5,317	253,389	
„ 1918-19	46,468	2,509	174,297	1,710	24,416	5,156	254,556	
„ 1917-18	47,249	2,048	174,357	1,177	24,333	4,864	254,028	

STATEMENT XI

Protection from cattle.

PROVINCE.	GRAZED ON PAYMENT, NUMBER OF ANIMALS.									
	AT FULL RATES.			AT PRIVILEGED RATES.						
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Bengal . . .	1,549	1,322	383	..	52	62	41,642	10	..	3
United Provinces .	67,538	169,154	148,017	1,193	3,221	9,815	43,907	4,498	..	173
Punjab . .	11,939	28,649	165,376	13,670	531	766	10,808	375,924	1,223	720
Burma . . .	4,487	27,997	884	15	77	105	..	..	..	..
Bihar and Orissa .	7,953	27,703	2,655	..	3	786	6,788	..	..	..
Assam . . .	4,875	1,048	182	5	188	..	..	..	..	..
Central Provinces .	205,065	559,809	252,240	34	1,909	93,481	1,506,220	1,466	..	144
Coorg . . .	314	3,144	..	..	..	..	..	..	..	..
North-West Frontier Province.	2,042	1,765	10	..	5	..	..	..	..	..
Ajmer . . .	637	6,470	..	..	22	2,299	9,872	..	..	..
Baluchistan . .	34	2,347	600	..	..	..	..	..	..	..
Madras . .	52,575	494,842	455,066	..	..	10,074	77,726	32,547	..	..
Bombay . .	25,094	(*a*) 70,329	35,250	895	4,696	204,614	1,015,802	328,711	..	4,721
TOTAL 1921-22 .	384,102	1,394,579	1,060,663	15,812	10,704	322,002	2,712,765	743,156	1,223	5,761
„ 1920-21 .	486,688	1,343,327	953,766	20,662	12,289	255,600	2,819,343	602,187	1,628	6,581
„ 1919-20 .	531,396	1,497,340	1,153,310	20,886	13,491	258,528	2,794,840	619,689	132	20,537
„ 1918-19 .	592,563	1,683,407	1,245,774	38,124	11,385	325,888	3,388,985	704,311	10	17,422
„ 1917-18 .	642,405	1,969,559	1,451,814	15,353	14,991	320,059	3,213,826	706,205	11	30,060

(*a*) Includes buffaloes in the Southern Circle.

MENT XI.

from cattle.

GRAZED FREE, NUMBER OF ANIMALS.										Total number of animals grazed.
By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
..	..	..	..	..	800	2,846	116	..	2	48,787
40,472	484,234	74,396	..	1,744	8,220	35,860	62,044	..	132	1,154,618
131,650	650,573	1,298,309	285	184,458	4,083	22,484	417	304	2,781	2,904,950
151,294	633,346	..	187	680	19,928	3,825	..	4,791	4,902	852,518
39,086	223,945	32,954	..	..	138	1,177	581	..	..	343,769
..	..	..	..	..	4,423	4,556	1,090	..	..	16,367
..	375	..	..	..	3,573	228,126	497	..	135	2,853,074
..	791	..	..	..	10,952	..	..	..	..	15,201
5,366	6,699	..	..	..	8,177	13,347	..	..	..	37,411
..	..	..	..	..	161	1,348	..	..	..	20,809
..	3,310	53,226	1	1,193	..	1,800	80,500	..	7,380	150,391
1,754	2,881	5,700	..	..	7,944	57,259	1,326	..	1	1,199,695
9,040	23,056	..	..	11	86,601	462,363	21,953	421	5,922	2,299,479
378,662	2,029,210	1,464,585	473	188,086	155,000	834,991	168,524	5,516	21,255	11,897,069
406,376	1,778,504	1,440,990	287	188,166	222,779	1,393,225	210,512	2,300	13,943	12,159,153
405,922	1,830,657	1,435,699	186	188,850	223,495	1,372,687	147,698	6,086	15,648	12,537,077
369,514	1,586,326	1,417,528	186	188,330	221,107	1,380,953	129,379	9,247	13,941	13,324,380
360,218	1,827,488	1,421,173	186	196,434	202,694	1,285,674	111,836	5,925	14,218	13,790,686

STATEMENT XII.

Area of plantations and the cost of the year's work.

PROVINCE.	Area in acres at close of the year.			Cost of operations during the year.
	Regular Plantations.	Taungyas.	Total.	
(1)	(2)	(3)	(4)	(5)
				Rs.
Bengal	(*a*) 6,449	(*b*) 3,951	10,400	88,456
United Provinces	20,445	..	20,445	69,326
Punjab	10,934	25	10,959	1,00,334
Burma	3,296*	91,606†	94,902	1,06,571
Bihar and Orissa	2,584	474	3,058	9,807
Assam	3,411	5,053	8,464	1,172
Central Provinces	(*c*) 1,512	(*d*) 8,508	10,020	542
Coorg	2,072	3,480	5,552	6,910
North-West Frontier Province	33	..	33	475
Ajmer	504	..	504	43
Baluchistan	..	..	..	..
Andamans	2,063	..	2,063	251
Madras	20,934‡	928	21,862	31,118
Bombay	1,788	1,025	2,813	21,226
Total 1921-22	47,119	101,109	148,223	4,36,231
„ 1920-21	65,157	104,018	169,175	2,99,233
„ 1919-20	66,210	101,321	167,531	2,80,252
„ 1918-19	63,568	94,446	158,014	1,91,983
„ 1917-18	64,104	88,821	152,925	1,76,526

* 34 acres excluded during the year.
† 441 „ „ „ „ „
‡ 462 „ „ „ „ „
(*a*) 7 „ „ „ „ „
(*b*) 476 „ „ „ „ „
(*c*) 894 „ „ „ „ „
(*d*) 52 „ „ „ „ „

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average outturn per square mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	19,802,000*	3,58,597	685,000	14,086	734,000	65,376	21,221,000	4,38,059	4,048	73	402	8	182	16	1,997	41
United Provinces	38,277,000*	24,00,540	2,000	2,804	49,000	2,869	38,328,000	24,06,213	5,192	326	500	731	741	43	5,149	323
Punjab . .	13,130,000*	13,55,419	16,910,000*	11,08,598	5,200,000	2,66,543	35,240,000	27,30,560	6,380	658	4,191	275	9,962	511	5,327	413
Burma . .	38,585,000	6,08,204	..	..	80,666,000	7,76,868	119,251,000	13,85,072	1,282	20	..	..	704	7	824	10
Bihar and Orissa	3,461,000	83,244	16,746,000	1,71,605	22,000	340	20,229,000	2,55,189	1,977	48	13,175	135	2,200	34	6,672	84
Assam . .	3,346,000†	1,37,353	..	..	12,324,000†	5,66,511	15,670,000†	7,03,864	599	25	..	..	776	36	730	33
Central Provinces	27,702,000	21,23,997	..	..	..	..	27,702,000	21,23,997	1,400	107	..	..	..	..	1,400	107
Coorg . .	297,171	19,214	103,818	565	..	..	400,989	19,779	571	37	..	..	..	..	771	38
North-West Frontier Province	2,842,000‡	61,462	..	..	..	..	2,842,000	61,462	12,043	260	..	..	..	..	12,043	260
Ajmer . .	201,911	53,835	..	35	..	..	201,911	53,870	1,408	379	..	..	..	..	1,408	379
Baluchistan .	42,896	50,945	..	..	2,14,278	6	2,57,174	50,951	137	163	..	..	454	..	328	163
Andamans . .	268,000	1,365	..	..	1,228,000	1,405	1,496,000	2,770	3,153	16	..	..	579	1	678	1
Madras . .	16,971,000	17,76,651	..	..	6,829,000	1,19,055	23,800,000	18,95,706	900	94	..	..	15,485	270	1,233	98
Bombay . .	53,655,000	16,66,746	1,089,000	13,026	..	..	54,744,000	16,79,772	4,436	138	2,024	24	..	..	4,334	133
Total 1921-22 .	218,580,978	1,06,97,572	35,535,818	13,10,719	107,266,278	17,98,973	361,383,074	1,38,07,264	2,106	103	4,701	174	776	13	1,448	55
„ 1920-21 .	185,012,636	1,00,06,763	34,539,446	12,06,466	79,101,907	23,90,398	298,653,989	1,36,00,627	1,788	97	4,595	161	567	17	1,192	54
„ 1919-20 .	205,357,374	93,16,424	37,516,337	14,75,964	96,642,122	20,84,800	339,515,833	1,28,77,188	1,994	91	4,724	186	690	15	1,353	51
„ 1918-19 .	215,356,096	1,08,18,246	38,725,668	10,54,538	89,769,154	23,31,804	343,850,918	1,42,04,588	2,119	106	4,526	123	635	17	1,367	56
„ 1917-18 .	212,511,559	1,05,20,099	39,019,024	13,27,410	77,135,796	18,28,159	328,666,379	1,36,75,668	2,099	104	4,459	152	545	13	1,307	54

* Includes leased forests.
† Excludes shared forests.
‡ Excludes Guzara forests.

STATEMENT XIV.

FOREST PRODUCE REMOVED BY DIFFERENT AGENCIES.

Part I.—Timber and Fuel.

PROVINCE.	TIMBER.					FUEL.				
	By Government.	By purchasers.	By free grantees.	By right holders.	TOTAL.	By Government.	By purchasers.	By free grantees.	By right holders.	TOTAL.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	361,000	7,385,000	9,000	..	7,755,000	164,000	11,283,000	2,019,000	..	13,466,000
United Provinces	333,000	9,542,000	138,000	601,000	10,614,000	465,000	9,227,000	542,000	17,480,000	27,714,000
Punjab	3,790,000	2,208,000	128,000	1,237,000	7,363,000	2,205,000	1,850,000	189,000	23,633,000	27,877,000
Burma	7,544,000	56,523,000	669,000	1,234,000	65,970,000	5,604,000	45,419,000	147,000	2,111,000	53,281,000
Bihar and Orissa	28,000	2,041,000	58,000	521,000	2,648,000	105,000	2,579,000	215,000	14,682,000	17,581,000
Assam	218,000	5,605,000	784,000	1,000	6,608,000	26,000	3,642,000	5,392,000	2,000	9,062,000
Central Provinces	505,000	6,277,000	308,000	67,000	7,157,000	666,000	15,168,000	4,120,000	591,000	20,545,000
Coorg	201,826	50,963	..	..	252,789	49,725	98,475	..	..	148,200
North-West Frontier Province	596,000	261,000	25,000	..	882,000	327,000	94,000	1,236,000	316,000	1,973,000
Ajmer	11	3,032	..	720	3,763	24,922	170,816	2,410	..	198,148
Baluchistan	25	593	1,884	..	2,502	21,276	232,636	760	..	254,672
Andamans	664,000	22,000	24,000	62,000	772,000	424,000	5,000	192,000	103,000	724,000
Madras	833,000	3,267,000	202,000	18,000	4,320,000	2,959,000	16,437,000	84,000	..	19,480,000
Bombay	1,736,000	3,427,000	88,000	300,000	5,551,000	3,740,000	30,575,000	66,000	9,812,000	49,193,000
TOTAL 1921-22	16,809,862	96,612,588	2,434,884	4,041,720	119,899,054	21,780,923	136,780,927	14,205,170	68,730,000	241,497,020
,, 1920-21	13,256,619	72,374,084	1,940,100	3,131,627	90,702,430	16,893,042	114,656,636	11,759,881	64,660,000	207,969,559
,, 1919-20	14,929,994	80,685,176	2,116,673	3,089,160	100,821,003	22,217,740	137,726,267	12,318,823	66,570,000	238,832,830
,, 1918-19	14,349,698	72,234,306	1,881,782	3,050,354	91,516,140	25,573,610	147,424,956	11,602,212	68,206,000	252,806,778
,, 1917-18	12,875,227	78,867,653	1,971,687	3,579,204	97,293,771	14,516,735	140,544,235	9,557,638	67,105,000	231,723,608

STATEMENT XIV—*contd.*

FOREST PRODUCE REMOVED BY DIFFERENT AGENCIES—*concld.*

Part II.—Value of minor forest produce.

PROVINCE.	BAMBOOS.					GRAZING AND FODDER GRASS.					OTHER MINOR PRODUCE.				
	By Government.	By purchasers.	By free grantees.	By right holders.	TOTAL.	By Government.	By purchasers.	By free grantees.	By right holders.	TOTAL.	By Government.	By purchasers.	By free grantees	By right holders.	TOTAL.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal . .	274	1,33,797	632	..	1,34,703	..	36,110	19,544	..	55,654	47,049	1,88,261	12,392	..	2,47,702
United Provinces	166	1,54,079	42	6,672	1,60,959	2,423	1,62,244	14,547	2,91,933	4,71,147	13,87,933	3,28,334	7,323	50,517	17,74,107
Punjab . .	46,974	636	566	..	48,176	5	1,84,706	40,508	19,98,959	22,24,178	3,84,210	29,897	34	44,065	4,58,206
Burma . .	500	2,94,286	1,880	11,699	3,08,365	7	13,286	35,800	2,60,991	3,60,084	6,666	6,28,405	1,517	80,035	7,16,623
Bihar and Orissa.	9,158	39,974	544	20,194	69,870	..	11,211	728	88,506	1,00,445	4,008	59,960	627	20,279	84,874
Assam . .	984	38,606	15,917	..	55,507	..	14,328	16,208	105	30,641	1,94,072	2,21,521	2,05,170	..	6,20,763
Central Provinces	2,908	2,49,752	6,145	3,981	2,62,786	12,090	10,79,442	1,36,764	1,327	12,29,623	1,78,008	3,65,758	85,422	2,400	6,31,588
Coorg . .	..	2,302	..	..	2,302	..	908	..	..	908	..	16,569	..	..	16,569
North-West Frontier Province.	..	..	..	..	..	..	1,604	17,947	5,712	25,263	36,064	10	25	100	56,199
Ajmer . .	..	989	..	..	989	1,930	5,438	1,500	41,326	50,194	358	2,332	..	..	2,690
Baluchistan .	..	..	..	..	..	..	1,764	7,300	41,470	50,534	79	176	162	..	417
Andamans .	25	18	200	116	359	..	..	..	..	..	55	95	2,042	219	2,411
Madras . .	14,770	3,05,616	934	..	3,21,320	..	7,91,074	12,861	7,247	8,11,182	82,332	6,74,309	4,704	1,359	7,63,204
Bombay . .	634	1,12,631	1,432	25,901	1,40,598	13,404	4,79,316	21,737	6,25,799	11,40,256	15,744	1,67,508	2,552	2,13,114	3,98,918
TOTAL 1921-22 .	76,393	13,32,686	28,292	68,563	15,05,934	29,859	27,81,431	3,75,444	33,63,375	65,50,109	23,37,078	26,83,135	3,21,970	4,12,088	57,54,271
„ 1920-21 .	83,354	10,40,193	24,389	59,117	12,07,053	40,851	34,03,389	8,01,609	30,14,370	72,60,219	20,23,005	25,73,501	2,99,280	2,37,569	51,33,355
„ 1919-20 .	1,75,122	13,50,352	31,136	58,917	16,15,527	1,79,952	36,44,395	7,64,529	30,20,093	76,08,969	27,25,985	31,42,920	2,54,989	2,80,307	64,04,201
„ 1918-19 .	2,24,783	13,04,361	32,057	60,223	16,21,424	1,76,977	36,04,113	7,69,976	30,28,511	76,39,577	16,48,808	26,87,996	2,85,657	3,25,806	49,48,267
„ 1917-18 .	1,81,822	12,91,986	22,568	63,568	15,59,944	65,204	35,47,175	6,91,323	30,12,452	73,16,154	15,49,180	27,31,450	2,42,627	2,76,201	47,99,458

STATEMENT XV.

Exports of forest produce.

ARTICLES OF FOREST PRODUCE.	Quantity in tons of 20 cwt. in the case of teak and other Timbers, cubic tons.		Valuation at port of shipment in 1912-13.	
	Average of 5 years 1916-17 to 1920-21.	In 1921-22.	Total.	Per ton.
(1)	(2)	(3)	(4)	(5)
			Rs.	Rs.
Caoutchouc, raw	5,049	4,917	77,16,072	1,570
Lac — Button	338	536	23,43,788	4,373
Lac — Shell	14,561	18,997	7,54,96,865	3,974
Lac — Stick, seed and other kinds	1,376	2,214	13,17,491	595
Cutch and gambier	2,557	1,483	5,62,094	379
Myrabolans	53,840	61,946	58,66,593	95
Cardamums	387	272	7,74,143	2,846
Sandal	286*	379	7,12,965	1,881
Ebony and other ornamental woods	†	†	63,918	...
Teak	32,227	16,019	46,38,864	290
Other timbers	4,383	3,175	3,63,834	114
Total in 1921-22	...	...	9,98,56,627	...
„ 1920-21	...	...	10,94,79,365	...
„ 1919-20	...	...	11,78,26,638	...
„ 1918-19	...	...	6,78,92,745	...
„ 1917-18	...	...	6,46,30,998	...

* Average of three years 1918-19 to 1920-21 only quantity figures prior to 1918-19 not being available.
† Quantity not recorded.

STATEMENT XV (*a*).

Year (calendar).	Imports of timber into British India during 1918-22.		Imports of sleepers of wood* for railways into British India during 1918-22.	
	Cubic tons.	Rs.	Tons.	Rs.
1918	37,874	62,16,348	..	..
1919	59,940	1,10,85,379	222	29,580
1920	68,560	1,16,08,544	10,272	19,89,780
1921	60,381	91,99,142	23,681	46,78,556
1922	38,527	49,13,195	18,926	29,44,791

* Includes sleepers of Jarrah and other wood.

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Bengal	1,383	39,648	52,575	32,992	12,392	1,38,990
United Provinces	69,213	1,50,776	6,714	3,06,480	57,840	5,91,023
Punjab	99,775	8,65,818	566	20,50,505	44,099	30,60,763
Burma	1,88,892	14,759	14,379	3,44,791	80,752	6,43,573
Bihar and Orissa	44,247	1,92,214	20,738	89,234	21,914	3,68,347
Assam	47,707	64,696	15,917	16,313	2,05,170	3,49,803
Central Provinces	26,707	1,15,832	10,988	10,44,489	45,536	12,43,612
Coorg	..	..	..	2,936	..	2,936
North-West Frontier Province	2,427	43,485	..	23,659	125	69,696
Ajmer	210	75	..	42,826	..	43,111
Baluchistan	315	71	..	112	50	548
Andamans	2,594	7,364	315	..	2,261	12,534
Madras	27,894	1,262	934	15,041	11,130	56,261
Bombay	1,05,112	9,93,425	27,333	6,47,536	2,15,666	19,89,072
Total 1921-22	6,16,536	24,89,425	1,50,459	46,16,914	6,96,935	85,70,269
„ 1920-21	5,05,706	23,82,766	1,54,418	48,47,013	8,96,897	87,86,800
„ 1919-20	5,20,673	23,62,430	1,68,218	49,95,316	7,12,909	87,59,546
„ 1918-19	6,36,817	23,74,312	1,69,588	50,79,417	7,82,103	90,42,237
„ 1917-18	7,26,398	23,84,578	1,56,197	50,41,213	6,96,633	90,05,019

STATEMENT XVII.

Details of revenue and expenditure for the Forest year 1921-22.

				Rs.	Percentage of each item to total.
Gross Receipts	(*a*) Wood			4,78,14,983	82·0
	(*b*) Minor forest produce			44,12,301	7·6
	(*c*) Forest stamps and commutation fees for forest produce			1,69,697	·3
	(*d*) Grazing			29,45,032	5·0
	(*e*) Revenue from forests not managed by Government			4,18,035	·7
	(*f*) Miscellaneous			25,56,023	4·4
			Total Revenue	5,83,16,071	
Expenditure	A. Recurring	(*a*) Administration.	(*i*) Superior Staff	†58,58,331	14·3
			(*ii*) Subordinate Staff (including Rangers, Foresters and Guards).	70,28,358	17·2
			(*iii*) Office Establishments (including Contingencies).	37,94,193	9·3
		(*b*) Working	(1) Extraction	1,35,98,859	33·2
			(2) Roads and Buildings	36,75,239	9·0
			(3) Fire protection	4,74,676	1·2
			(4) Cultural operations	11,95,631	2·9
			(5) Live-stock, stores and plant	20,78,347	5·1
			(6) Working-Plans	74,767	0·2
			(7) Rent for leased forests	7,46,026	1·8
			(8) Miscellaneous	9,69,132	2·4
		(*c*) Expenditure on realization of revenue from forests not managed by Government.		50,892	0·1
		(*d*) Forest Science and Education (including all "A" and "B" charges of Imperial Forest College and Research Institute.*		7,37,683	1·8
			Total	4,02,82,134	
	B. Extraordinary	(*e*) Forest Settlement		1,31,703	0·3
		(*f*) Forest Survey		2,93,824	0·7
		(*g*) Forest Demarcation		1,44,217	0·3
			Total	5,69,744	
			GRAND TOTAL OF EXPENDITURE	4,08,51,878	
			Net Revenue	1,74,64,193	

* Expenditure under this head in provinces has been included in (*a*) Administration.

† Includes expenditure on General Direction.

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma.	Bihar and Orissa.	Assam.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	11,869	3,76,309	28,24,044	33,87,135	52,48,253	*24,837	2,46,657
II.—Timber and other produce removed from the forests by consumers or purchasers.	15,836	14,45,347	55,40,344	6,70,009	1,60,86,230	8,61,021	8,74,069
III.—Drift and waif wood and confiscated forest produce.	...	10,171	9,785	53,336	2,61,546	24	16,245
IV.—Revenue from forests not managed by Government.	85	...	71,137	3,913	2,37,652	...	44,647
V.—Miscellaneous	13	67,132	2,01,367	8,76,785	2,83,106	14,491	1,15,409
Total Revenue	27,803	18,98,959	86,46,677	49,91,178	2,21,16,787	9,00,373	12,97,027
EXPENDITURE.							
A.—Conservancy and Works.							
I.—Timber and other produce removed from the forests by Government agency.	4,138	1,87,893	32,05,991	18,95,491	33,51,178	16,322	46,670
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,49,305	1,76,882	7,592	2,51,915	16,326	35,508
III.—Drift and waif wood and confiscated forest produce.	...	1,359	980	26,690	1,37,497	...	1,020
IV.—Revenue from forests not managed by Government.	...	...	49,081	...	530	...	1,121
V.—Rent of leased forests and payments to share holders in forests managed by Government.	...	499	2,38,722	84,500	...	3,00,000	47,752
VI.—Live-stock, stores, tools and plant	...	31,744	4,69,380	2,49,377	3,66,152	14,356	56,100
VII.—Communications and buildings	1,520	1,85,669	9,07,902	2,95,898	5,27,200	1,62,152	1,12,414
VIII. Demarcation, improvements and extension of forests.	642	1,39,770	4,55,108	1,88,855	4,36,533	39,572	34,347
IX.—Miscellaneous	...	14,669	77,737	5,47,953	1,01,821	5,004	16,815
Total A.—Conservancy and Works	6,300	7,10,908	55,81,783	32,96,356	51,72,826	5,53,732	3,51,747
B.—Establishments.							
I.—Salaries	2,47,718	4,38,934	13,92,946	7,88,560	30,47,674	3,77,093	5,18,292
II.—Travelling Allowances	399	1,05,463	2,13,558	1,87,156	5,68,623	47,227	85,371
III.—Contingencies	2,594	32,817	2,16,401	1,04,004	2,93,971	16,613	36,101
Total B.—Establishments	2,50,711	5,77,214	18,22,905	10,79,720	39,10,268	4,40,933	6,39,764
Grand Total of Expenditure	2,57,011	12,88,122	74,04,688	43,76,076	90,83,094	9,94,665	9,91,511
Surplus	...	6,10,837	12,41,989	6,15,102	1,30,33,693	...	3,05,516
Deficit	2,29,208	...	...	...	...	94,292	...
Proportion of surplus to gross revenue	...	32	15	12	59	...	24
Net revenue per square mile of forest area under control of Forest Department.	...	57	167	93	90	...	14

* Includes Angul Division.

MENT XVIII.

Forest Department in India for the financial year 1921-22.

Central Provinces.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	South and North Andamans.	Forest College and Research Institute.	Forest Surveys (Imperial).	Madras.	Bombay.	TOTAL.
(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
4,90,289	6,88,773	5,71,040	8,325	5,406	5,24,092	...	...	15,68,854	29,26,440	1,89,02,323
33,71,462	37,218	20,558	27,495	4,522	5,280	...	...	28,29,213	43,27,548	3,61,16,152
1,034	...	950	...	...	...	...	...	18,103	3,023	3,74,217
40,912	...	2,591	14	6,660	3	...	...	...	10,435	4,18,049
2,29,996	7,74[illegible]	—20,286	4,978	641	20,723	24,117	...	4,53,001	2,26,117	25,05,[illegible]80
41,33,693	7,33,731	5,74,853	40,812	17,229	5,50,098	24,117	...	48,69,171	74,93,563	5,83,16,071
2,16,021	76,492	5,05,615	5,137	2,655	8,99,981	...	...	4,17,567	16,06,264	1,24,37,415
1,73,309	...	406	630	...	646	...	...	1,18,719	60,205	9,91,443
102	...	231	...	...	...	...	...	2,099	479	1,70,457
...	...	...	...	160	...	...	...	...	...	50,892
6,954	...	17,259	...	...	...	...	...	4,587	45,754	7,46,027
47,302	52,623	16,500	410	249	1,19,261	1,12,254	...	5,85,375	69,415	21,90,498
1,75,951	2,62,599	71,435	6,084	298	42,751	11,097	...	4,92,057	4,31,407	36,83,434
1,63,287	71,010	3,617	2,070	18,992	89,929	...	1,07,113	3,53,250	2,10,478	23,14,673
56,023	8,537	9,653	1,130	300	6,341	75,084	...	23,495	99,655	10,44,217
8,39,049	4,71,261	6,24,716	15,461	22,654	11,58,909	1,98,435	1,07,113	19,97,149	25,23,657	2,36,32,056
15,48,196	1,31,777	95,958	20,627	25,208	1,09,924	4,34,555	...	23,16,056	20,86,256	1,35,79,774
1,82,504	22,665	17,177	3,524	4,072	13,012	46,323	...	5,57,182	3,17,462	23,71,718
1,46,072	4,942	11,533	1,708	1,341	5,182	53,511	...	2,44,969	96,571	12,68,330
18,76,772	1,59,384	1,24,668	25,859	30,621	1,28,118	5,34,389	...	31,18,207	25,00,289	1,72,19,822
27,15,821	6,30,645	7,49,384	41,320	53,275	12,87,027	7,32,824	1,07,113	51,15,356	50,23,946	4,08,51,878
14,17,872	1,03,086	...	...	...	...	...	...	...	24,69,617	1,97,97,712
...	...	1,74,531	508	36,046	7,36,929	7,08,707	1,07,113	2,46,185	...	23,33,519
34	14	...	...	...	...	...	...	...	33	30
72	198	...	...	...	...	...	...	...	196	70

Revenue of the Forest Department throughout India for the 23 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	2,175	31,717	25,429	10,866	5,147	9,688	6,090
Bengal†	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910
United Provinces	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740
Punjab	6,87,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770
Burma	8,94,298	14,29,175	19,88,256	25,01,318	49,78,654	66,15,542	78,12,050
Bihar and Orissa	..	...	...	...	...	...	...
Assam‡	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100
Central Provinces and Berar	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490
Coorg	93,491	78,837	1,03,170	1,13,024	1,53,136	1,33,456	1,62,410
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	65	1,152	4,475	11,859	15,233	14,162	10,270
Baluchistan	...	...	8,556	10,973	17,998	15,330	17,060
Andamans	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600
Imperial Forest College and Research Institute.	...	...	...	397	1,636	3,140	3,210
Forest Surveys (Imperial)	...	17	139	206	668	300	420
Madras	6,03,243	5,88,389	8,06,020	13,00,481	17,14,328	21,10,988	23,02,290
Bombay	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200
Grand Total	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610
	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	7,966	8,189	10,632	8,662	10,680	12,837	11,471
Bengal†	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111
United Provinces	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487
Punjab	14,57,449	12,88,7 2	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943
Burma	86,63,989	91,92,032	93,58,077	10,07,117	99,67,594	1,09,22,393	1,14,25,430
Bihar and Orissa	...	...	...	...	4,07,213	4,38,958	4,91,735
Assam‡	14,30,447	14,46,368	15,54,732	18,90,635	11,46,320	11,42,001	10,97,969
Central Provinces and Berar	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453
Coorg	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227
North-West Frontier Province	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741
Ajmer	29,864	27,615	23,990	33,846	26,361	36,596	33,897
Baluchistan	24,829	23,305	18,729	23,212	20,117	20,159	19,988
Andamans	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811
Imperial Forest College and Research Institute.	6,137	4,680	4,909	4,080	5,550	7,611	5,806
Forest Surveys (Imperial)	...	...	...	...	...	...	...
Madras	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320
Bombay	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156
Grand Total	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred

MENT XIX.

from 1899-1900 to 1921-22 a id the average of 6 quinquennial years from 1869-70 to 1898-99.

NUE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
2,463	3,484	3,659	7,455	3,768	7,255	...	Imperial.*
12,33,339	12,92,237	12,51,247	10,65,523	11,67,472	11,18,542	10,65,859	Bengal.†
15,65,463	17,15,508	20,25,324	22,80,446	23,97,318	24,33,428	25,02,664	United Provinces.
13,50,842	14,17,558	15,86,408	17,17,797	18,74,443	17,81,653	16,05,284	Punjab.
80,54,444	58,73,938	67,39,053	82,68,535	89,59,756	1,03,29,869	98,12,519	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
5,49,521	5,12,963	5,80,200	6,75,732	8,15,677	11,06,096	13,20,592	Assam.‡
12,65,614	15,79,116	16,84,428	19,98,032	20,13,459	24,49,131	24,01,159	Central Provinces and Berar.
1,37,596	1,70,242	1,90,730	2,24,031	1,93,087	2,45,419	2,35,909	Coorg.
...	13,012	1,01,123	1,01,833	90,991	1,28,529	1,83,214	North-West Frontier Province.
10,646	6,865	9,736	13,884	17,297	15,002	18,335	Ajmer.
16,956	14,712	19,336	18,363	22,555	21,481	21,195	Baluchistan.
2,77,886	2,66,903	3,26,035	4,32,381	6,20,796	5,82,511	6,07,027	Andamans.
3,697	3,545	3,252	3,038	3,557	3,080	4,579	Imperial Forest College and Research Institute.
327	473	3,034	431	...	...	...	Forest Surveys (Imperial).
23,40,170	25,43,430	26,13,819	26,57,727	28,26,216	29,67,604	32,90,669	Madras.
29,61,529	23,79,729	23,29,156	27,51,539	30,20,558	38,84,993	34,22,481	Bombay.
1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950	2,66,74,593	2,64,91,486	Grand Total,

1914-15.	1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	
Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
12,047	23,457	24,546	51,720	27,488	24,527	27,122	27,803	Imperial.*
13,04,496	11,45,610	13,38,779	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	Bengal.†
31,35,235	37,38,831	50,40,932	61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	United Provinces.
14,38,005	17,27,283	16,87,801	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	Punjab.
97,07,694	96,99,217	1,23,79,531	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	Burma.
5,49,779	5,17,727	5,29,081	7,53,625	9,44,763	8,17,458	8,10,602	9,00,373	Bihar and Orissa.
8,32,877	10,55,052	11,48,621	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	Assam.‡
32,72,529	32,78,262	33 71,578	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	Central Provinces and Berar.
1,99,237	4,49,155	4,87,314	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	Coorg.
2,38,013	1,86,815	2,40,985	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	North-West Frontier Province.
31,170	23,445	21,272	27,733	37,280	34,914	48,112	40,812	Ajmer.
19,058	21,633	18,277	17,934	25,108	17,937	22,544	17,229	Baluchistan.
3,39,248	4,34,784	6,49,711	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	Andamans.
8,617	6,995	8,199	8,304	9,083	8,308	12,648	24,117	Imperial Forest College and Research Institute.
...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
39,41,537	41,06,838	45,96,126	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	Madras.
46,80,242	47,01,263	55,19,177	63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	Bombay.
2,97,09,784	3,11,16,367	3,70,61,930	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	Grand Total.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATE

Expenditure of the Forest Department throughout India for the 23 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550
Bengal †	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210
United Provinces	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380
Punjab	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460
Burma	4,02,847	6,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440
Bihar and Orissa	...	...	...	...	....	...	...
Assam‡	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140
Central Provinces and Berar	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820
Coorg	40,684	36,591	62,248	73,907	77,016	82,146	74,220
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	6,197	18,692	13,197	17,620	14,061	16,722	15,350
Baluchistan	...	...	12,594	16,130	39,452	33,508	28,680
Andamans	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940
Imperial Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550
Forest Surveys (Imperial)	11,911	63,288	40,447	24,477	24,491	31,936	33,980
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530
Bombay	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430
Grand Total	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680
	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296
Bengal†	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157
United Provinces	11,94,013	12,22,436	12,09,308	12,37,938	13,63,673	16,29,264	18,96,014
Punjab	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177
Burma	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901
Bihar and Orissa	...	...	...	...	3,00,916	3,75,894	3,55,648
Assam‡	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240
Central Provinces and Berar	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129
Coorg	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514
North-West Frontier Province	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023
Ajmer	18,188	19,916	19,272	19,918	22,343	29,714	23,595
Baluchistan	31,258	36,586	26,549	26,387	28,947	28,527	25,310
Andamans	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676
Imperial Forest College and Research Institute.	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338
Forest Surveys (Imperial)	27,060	39,128	41,062	41,140	38,798	35,809	37,743
Madras	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817
Bombay	19,55,427	20,43,873	20,63,988	20,70,417	26,64,436	26,94,455	25,89,877
Grand Total	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred

MENT XIX.

from 1899-1900 to 1921-22 and the average of 6 quinquennial years from 1869-70 to 1898-99.

DITURE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,578	79,539	85,017	89,345	83,058	83,767	95,472	Imperial.*
5,70,806	6,57,131	6,38,014	7,03,508	6,88,589	5,93,509	6,33,386	Bengal.†
9,63,439	10,08,739	10,13,998	10,81,438	13,91,583	14,05,182	13,06,651	United Provinces.
8,87,343	9,38,335	9,60,095	11,56,415	10,12,354	12,65,664	11,44,403	Punjab.
26,54,717	24,46,457	28,90,263	33,52,404	34,46,924	39,38,063	36,59,753	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
3,47,972	3,29,112	3,27,498	4,25,484	5,03,656	5,93,910	7,07,860	Assam.‡
11,65,866	12,00,904	12,57,288	12,80,966	13,20,615	13,07,153	13,42,898	Central Provinces and Berar.
70,905	82,333	89,437	92,191	83,820	95,748	1,02,855	Coorg.
...	19,510	54,086	60,603	74,958	95,258	92,650	North-West Frontier Province.
16,782	15,927	16,377	16,680	15,641	17,131	16,715	Ajmer.
29,254	24,480	23,240	21,697	24,672	25,743	26,322	Baluchistan.
1,40,137	2,04,667	2,81,702	2,66,121	3,42,431	3,35,985	2,95,136	Andamans.
71,238	76,290	66,338	59,339	61,424	80,669	1,37,486	Imperial Forest College and Research Institute.
33,991	33,730	33,985	33,935	28,229	30,044	30,389	Forest Surveys (Imperial).
17,15,431	17,09,554	18,35,552	17,50,930	19,86,098	22,66,602	24,80,660	Madras.
24,08,581	17,19,680	16,76,441	17,75,937	19,03,804	21,26,093	19,90,183	Bombay.
1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856	1,42,58,521	1,40,63,799	Grand Total.

1914-15.	1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
99,478	1,09,502	1,03,248	90,332	1,10,638	1,32,777	1,68,993	2,57,011	Imperial.*
6,70,935	5,93,635	6,19,649	7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	Bengal.†
23,17,740	25,66,307	27,35,915	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	United Provinces.
8,89,302	9,23,878	9,34,662	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	Punjab.
46,80,447	48,86,241	49,36,588	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	Burma.
3,84,371	3,61,550	4,47,972	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	Bihar and Orissa.
8,98,339	7,55,214	6,76,033	6,86,627	6,90,961	8,21,717	9,66,6 01	9,91,511	Assam.‡
19,36,569	17,34,336	17,68,775	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	Central Provinces and Berar.
1,75,833	1,76,633	1,60,492	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	Coorg.
1,25,539	1,04,795	1,18,070	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	North-West Frontier Province.
21,733	25,152	26,634	26,504	28,508	47,282	37,417	41,320	Ajmer.
26,000	27,995	26,929	29,990	28,787	25,314	28,761	53,275	Baluchistan.
2,58,056	4,30,832	4,28,652	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	Andamans.
3,31,091	2,78,518	3,05,498	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	Imperial Forest College and Research Institute.
42,353	48,663	47,407	56,597	59,110	59,953	90,448	1,07,113	Forest Surveys (Imperial).
28,60,685	29,27,318	28,42,678	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	Madras.
24,87,925	26,42,038	25,64,681	33,53,714	78,72,197	59,18,682	53,05,022	50,23,946	Bombay.
1,82,06,450	1,85,92,607	1,87,43,883	2,11,57,063	2,88,75,595	3,17,63,199	3,64,19,907	4,08,51,878	Grand Total.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 23 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700
United Provinces	2,96,974	3,81 941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960
Central Provinces and Berar	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080
Baluchistan	...	...	—4,038	5,157	—21,454	—18,178	—11,620
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660
Imperial Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340
Forest Surveys (Imperial)	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770
Grand Total	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825
Bengal†	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954
United Provinces	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473
Punjab	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766
Burma	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529
Bihar and Orissa	...	...	...	...	1,06,297	63,064	1,36,087
Assam‡	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729
Central Provinces and Berar	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324
Coorg	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713
North-West Frontier Province	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718
Ajmer	11,676	7,699	4,718	13,928	4,018	6,882	10,302
Baluchistan	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322
Andamans	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135
Imperial Forest College and Research Institute.	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532
Forest Surveys (Imperial)	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743
Madras	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503
Bombay	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279
Grand Total	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred

MENT XIX.

from 1899-1900 to 1921-22 and the average of 6 quinquennial years from 1869-70 to 1898-99.

PLUS.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—81,115	—76,055	—81,358	—81,890	—79,290	—76,512	—95,472	Imperial.*
6,62,533	6,35,106	6,18,233	3,62,015	4,78,883	5,25,033	4,32,473	Bengal.†
6,02,024	7,06,769	10,11,326	11,99,008	10,05,735	10,28,246	11,96,013	United Provinces.
4,63,499	5,09,223	6,26,313	5,61,382	8,62,089	5,17,989	4,60,881	Punjab.
53,09,727	32,27,481	38,48,790	49,16,131	55,12,332	63,91,806	61,52,766	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
2,01,549	1,83,851	2,52,701	2,50,248	3,12,021	5,12,186	6,12,732	Assam.‡
99,748	3,78,212	4,27,140	7,17,066	6,92,844	11,41,978	10,58,281	Central Provinces and Berar.
66,691	87,909	1,01,293	1,31,840	1,09,267	1,49,671	1,33,054	Coorg.
...	6,498	47,038	41,230	16,033	33,271	89,564	North-West Frontier Province.
—6,136	—9,062	—6,641	2,796	1,656	—2,129	1,620	Ajmer.
—12,298	—9,768	—3,904	3,334	—2,117	—4,262	—5,127	Baluchistan.
1,37,749	62,236	44,333	1,66,260	2,78,365	2,46,526	3,11,891	Andamans.
—67,541	—72,745	—63,086	—56,301	—57,867	—77,589	—1,32,907	Imperial Forest College and Research Institute.
—33,664	—33,257	—30,951	—33,504	—28,229	—30,044	—30,389	Forest Surveys (Imperial).
6,24,739	8,33,876	7,78,267	9,06,797	8,43,118	7,01,002	8,10,009	Madras.
5,52,948	6,60,040	6,52,715	9,75,602	11,16,954	13,58,900	14,32,298	Bombay.
86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094	1,24,16,072	1,24,27,687	Grand Total.

1914-15.	1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—87,431	—86,045	—78,702	—38,612	—83,150	—1,08,250	—1,41,871	—2,29,208	Imperial.*
6,33,561	5,51,975	7,19,130	6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	Bengal.†
8,17,495	11,72,524	23,05,017	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	United Provinces.
5,48,703	8,03,405	7,53,139	9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	Punjab.
50,27,247	48,12,976	74,42,943	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	Burma.
1,65,408	1,56,177	81,109	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	Bihar and Orissa.
—65,462	2,99,838	4,72,588	6,23,329	8,01,757	6,59,873	5,65,343	3,05,516	Assam.‡
13,35,960	15,43,926	16,02,803	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	Central Provinces and Berar.
23,404	2,72,522	3,26,822	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	Coorg.
1,12,420	82,020	1,22,915	1,83,836	1,73,965	1,61,088	—2,34,418	—1,74,531	North-West Frontier Province.
9,437	—1,707	—5,362	1,229	8,772	—12,368	10,695	—508	Ajmer.
—6,942	—6,362	—8,652	—12,065	—3,679	—7,377	—6,217	—36,046	Baluchistan.
81,192	3,952	2,21,059	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	Andamans.
—3,22,474	—2,71,523	—2,97,299	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	Imperial Forest College and Research Institute.
—42,353	—48,663	—47,407	—56,597	—59,110	—59,953	—90,448	—1,07,113	Forest Surveys (Imperial).
10,80,852	11,79,520	17,53,448	24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	Madras.
21,92,317	20,59,225	29,54,496	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	Bombay.
1,15,03,334	1,25,23,760	1,83,18,047	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	Grand Total.

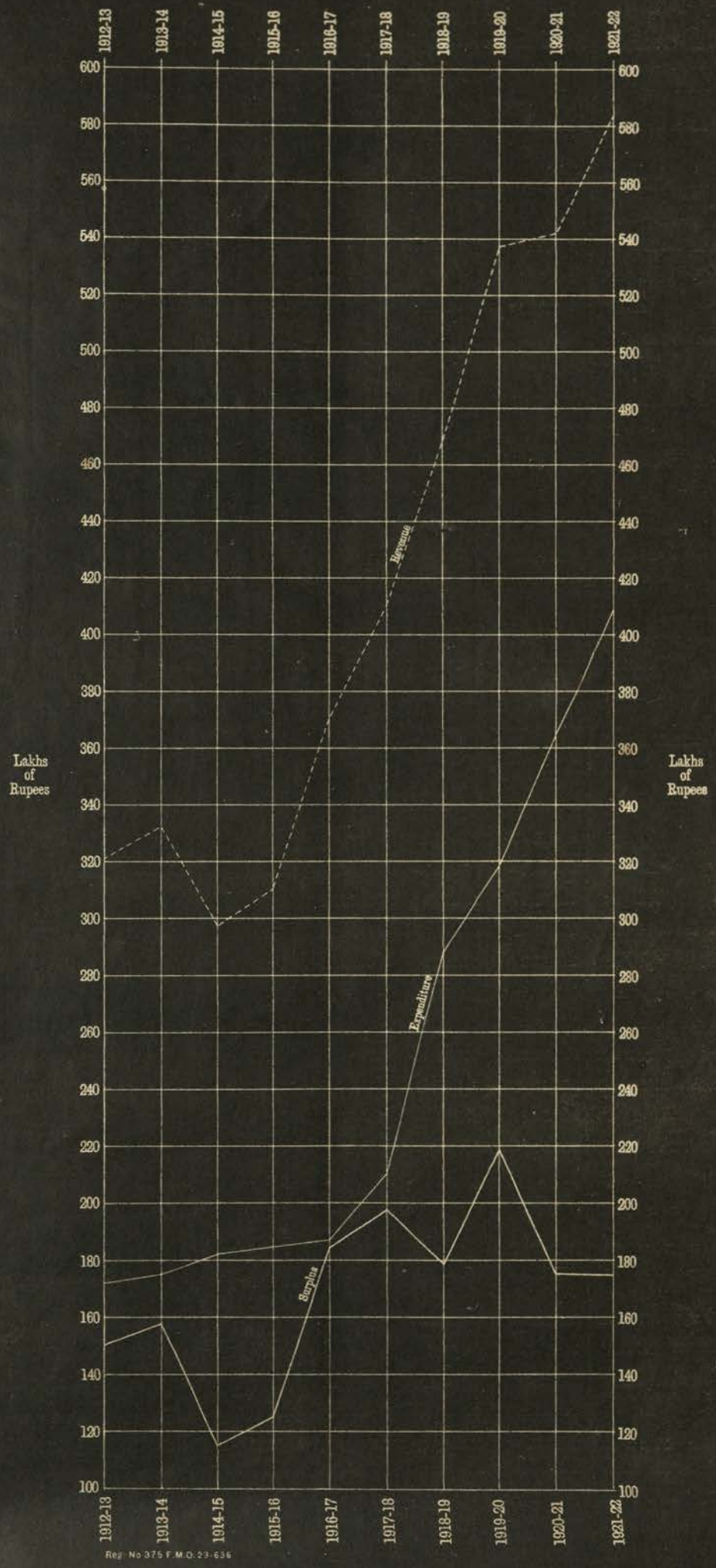
Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

SGPI—M—X(2)—3-8-23—638.

DIAGRAM SHOWING

ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS.

FOR THE 10 YEARS 1912-13 TO 1921-22



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Govt. of India
41-11/24

Annual Return of Statistics

RELATING TO

Forest Administration

IN

British India

FOR THE YEAR

1922-23.

CALCUTTA: GOVERNMENT OF INDIA
CENTRAL PUBLICATION BRANCH
1924

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APPENDIX.

1. Diagram showing annual forest revenue, expenditure and surplus for the 10 years 1913-14 to 1922-23.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Bengal	78,668	(*a*) 4,909	(*b*) 1,702	4,030	10,641	13·5	(*a*) Excludes 18 square miles of reserved forests not under the management of the Forest Department.
United Provinces	106,720	(*c*) 7,373	4	37	7,414	6·9	(*b*) Excludes 50 square miles not under the control of the Forest Department.
Punjab	97,281	(*d*) 1,684	(*e*) 4,035	(*f*) 519	6,238	6·4	(*c*) Includes 156 square miles of leased forests.
Burma	243,207*	27,416	..	(*g*) 92,525	119,941	49·3	(*d*) Includes 357 square miles of leased forests, but excludes 475 square miles of reserved forests not under the control of the Forest Department.
Bihar and Orissa	82,987	1,754	(*h*) 1,033	8	2,795	3·3	(*e*) Excludes 377 square miles not under the control of the Forest Department.
Assam	51,825	5,601	..	15,630	21,231	41·0	(*f*) Excludes 210 square miles not under the control of the Forest Department.
Central Provinces (including Berar).	99,947	(*i*) 19,785	..	..	19,785	19·8	(*g*) Excludes 21,587 square miles of unclassed forests in the Federated Shan States.
Coorg	1,582	520	..	..	520	32·9	(*h*) Excludes 1,036 square miles not under the control of the Forest Department.
North-West Frontier Province.	13,057	(*j*) 236	(*k*)	9	245	1·9	(*i*) Includes 174 square miles of leased forests.
Ajmer	2,767	142	(*l*)	..	142	5·1	(*j*) Excludes 14 square miles of military and civil reserved forests.
Baluchistan (portions under British Administration).	54,228†	313	..	472	785	1·4	(*k*) 121 square miles of Civil protected forests are not shown.
Andamans and Nicobar	3,143†	85	..	2,122	2,207	70·2	(*l*) There are only 145 acres of protected forests in Ajmer.
Madras	142,268	19,064	..	(*m*) 192	19,256	13·5	(*m*) Reserved lands.
Bombay (including Sind)	123,222	(*n*) 12,04	(*o*) 464	..	12,504	10·1	(*n*) Excludes 1,833 square miles in charge of the Revenue Department.
							(*o*) Excludes 659 square miles in charge of the Revenue Department.
Total 1922-23	1,100,902‡	100,922	7,238	115,544	223,704	20·3	
„ 1921-22	1,098,341	103,789	7,550	138,165	249,504	22·7	
„ 1920-21	1,082,266	103,491	7,516	139,466	250,473	23·1	
„ 1919-20	1,080,814	103,003	7,941	140,005	250,949	23·2	
„ 1918-19	1,080,794	101,639	8,557	141,272	251,468	23·3	

* Including 60,593 square miles for the Shan States and Karanni.
† Figures taken from the Census Report of 1921.
‡ Excluding Delhi Province and Pargana Manpur.

STATEMENT II.

Progress made in Forest Settlements during the year 1922-23.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
				Rs.	Rs.	Rs.
Bengal	17	24	137	3,601	..	..
United Provinces	1	1	2	1,633	..	58
Punjab	1	1	..	..	..	..
Burma	126	2,849	117	16,869	..	4,374
Bihar and Orissa	3	47	7	..	..	..
Assam	19	121	300	203	..	..
Central Provinces	2	2	..	..	..	..
Coorg	..	..	..	..	..	..
North-West Frontier Province	..	..	..	..	..	..
Ajmer	..	..	..	..	..	..
Baluchistan	..	313	..	..	..	..
Andamans	..	85	..	..	..	..
Madras	251	163	1	1,990	..	..
Bombay	58	21	65	2,923	..	..
Total 1922-23	478	3,627	629	27,219	..	..
„ 1921-22	480	4,081	489	38,807	..	..
„ 1920-21	758	4,388	315	11,484	1,961	..
„ 1919-20	1,774	3,876	1,982	32,671	..	..
„ 1918-19	561	3,593	1,359	34,303	..	..

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not repairing artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal	21	1,051	763	1,835	100	1,125	3,060	239	7,282
United Provinces . .	11	2,482	9,362	11,855	10	2,620	14,485	2,666	29,290
Punjab	38	1,138	7,393	8,569	21	1,252	9,842	631	3,925
Burma	79	3,272	13,417	16,768	287	3,127	20,182	1,956	30,376
Bihar and Orissa . .	4	3,143	1,500	4,647	..	361	5,017	..	1,422
Assam	76	1,094	1,307	2,477	22	2,064	4,563	1,404	5,287
Central Provinces . .	46	8,929	21,750	30,725	205	3,287	34,217	656	18,228
Coorg	..	..	480	480	..	56	536	995	182
North-West Frontier Province.	..	132	645	777	..	139	916	..	1,146
Ajmer	..	..	243	243	..	158	401	91	..
Baluchistan . . .	..	1	459	460	..	77	537	..	1,117
Andamans . .	..	..	24	24	33	72	129	..	..
Madras	85	21,636	,468	31,188	684	2,109	33,981	3,277	8,198
Bombay . . .	43	23,864	15,854	39,761	94	2,826	42,681	466	2,084
Total 1922-23 .	403	66,742	82,665	149,809	1,456	19,273	170,547	12,311	108,537
„ 1921-22 .	962	67,045	83,123	151,130	1,527	19,870	172,527	31,056	99,918
„ 1920-21 .	922	59,827	90,443	151,192	1,400	19,776	172,368	20,853	87,481
„ 1919-20 .	865	64,505	86,330	151,700	1,564	19,009	172,273	30,306	90,753
„ 1918-19 .	1,171	60,939	89,269	151,379	1,579	18,483	171,441	24,836	93,672

STATEMENT IV.

Forest Survey operations from 1st April 1922 to 31st March 1923.

Province.	Forest surveys.	Nature of survey operations.						Total area of detail survey.		Expenditure of the year including mapping and publishing charges debitable to "Forests."	Remarks.
		1" Detail Survey.		2" Detail Survey.		4" Detail Survey.		1922-23.	Total up to date.		
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		Sq. m.	Rs.	Sq. m.	Rs.	Sq. m.	Rs.	Sq. m.	Sq. m.	Rs. A. P.	
Bengal	Kurseong	..	..	..	..	..	..	..	3,265	294 2 0	
United Provinces	Dehra Dun	..	..	9	..	..	..	9	7,102	2,103 1 0	Cost of all surveys ot debitable to "Fores
	Saharanpur	..	..	..	..	..	..	..			
	Lansdowne	..	..	28	38·8	..	..	28			
	Ramnagar	..	..	..	..	..	..	..			
	South Garhwal	..	..	26	38·8	..	..	26			
	Jhansi	2	9·9	..	..	..	..	2			
	Banda	7	9·9	..	..	..	..	7			
	Utilization	..	..	..	..	..	..	..			
	Afforestation	6	9·9	..	..	..	..	6			
Punjab	Punjab	..	..	..	..	..	..	..	4,365	1,164 4 0	Includes cost of mapping and publishing "Annual Report map of Punjab."
	Hoshiarpur	..	..	..	..	..	..	..			
	Kangra	..	..	..	..	..	..	..			
	Rawalpindi West	..	..	..	..	..	..	..			
Burma	Zigon	..	..	..	..	..	..	..	18,970	1,96,755 10 0	Cost of traversing 65 linear miles of Boundaries debitable to "Forests."
	Insein	..	..	..	..	..	..	..			Cost of traversing 294 linear miles of Boundaries debitable to "Forests."
	Henzada-Maubin	..	..	..	..	..	..	..			
	Bassein	..	..	402	185·9	..	..	402			Includes cost of traversing 47 linear miles of Boundaries.
	North Toungoo	..	..	..	..	..	..	..			
	South Toungoo	..	..	..	..	..	..	..			
	South Pegu	..	..	..	..	..	..	..			Cost of traversing 111 linear miles of Boundaries debitable to "Forests."
	Thaton	..	..	181	196·1	..	..	181			
	South Tenasserim	..	..	..	..	..	..	..			52 linear miles of Boundaries were traversed. Cost not debitable to "Forests."
	Ataran	236	52·6	3	196·1	10	329·7	249			Includes cost of traversing 58 linear miles of Boundaries. Cost of 1-inch and 2-inch surveys not debable to "Forests."
	Myitkyina	..	..	..	..	..	..	..			
	Mansi	..	..	..	..	..	..	..			
	Meiktila	..	..	..	..	..	..	..			
	Pyinmana	..	..	..	..	..	..	..			
	Maymyo	..	..	..	..	..	..	..			
	Myitmaka Extraction	..	..	..	..	..	..	..			
	Southern Shan States	..	..	..	..	..	..	..			
Bihar and Orissa	Sambalpur	..	..	..	..	..	..	..	1,805	914 0 0	

STATEMENT IV—*concld.*

Forest Survey operations from 1st April 1922 to 31st March 1923—concld.

Province.	Forest surveys.	Nature of survey operations. 1" Detail Survey. Area.	1" Detail Survey. Cost rate.	2" Detail Survey. Area.	2" Detail Survey. Cost rate.	4" Detail Survey. Area.	4" Detail Survey. Cost rate.	Total area of detail survey. 1922-23.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping and publishing charges debitable to "Forests."	Remarks.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		Sq. m.	Rs.	Sq. m.	Rs.	Sq. m.	Rs.	Sq. m.	Sq. m.	Rs. A. P.	
Assam	Cachar	100	73·6	..	..	..	..	100	4,807	4,638 15 0	Cost of survey not debitable to "Forests."
	Nowgong	169									Cost of survey not debitable to "Forests." 17 square miles of the area entered under 1-inch detail survey was surveyed on the ½-inch scale, at a cost rate of Rs. 18·2.
	Lakhimpur	..	..	..	..	..	..	..			
	Sibsagar	..	..	..	..	..	..	..			
Central Provinces	Amraoti	..	..	..	..	..	..	..	19,514	704 9 0	
	Buldana	..	..	..	..	..	..	..			
	South Chanda	..	..	..	..	..	..	..			
Coorg	....	..	..	..	..	..	..	..	478	..	
N.-W. Frontier Province.	....	..	..	..	..	..	..	..	445	..	
Ajmer	....	..	..	..	..	..	..	..	144	..	
Baluchistan	....	..	..	..	..	..	..	..	227	..	
Andamans	....	..	..	..	..	..	..	..	527	..	
Madras	Anantapur	328	14·	..	..	..	..	328	17,182	6,488 12 0	Cost of surveys not debitable to "Forests."
	North Cuddapah										
	West Cuddapah										
	Chittoor										
	South Cuddapah	..	..	..	..	..	..	..			
	Nellore	..	..	..	..	..	..	..			
	North Vellore	..	..	..	..	..	..	..			
	Chingleput	..	..	..	..	..	..	..			
	West Vellore	..	..	..	..	..	..	..			
	East Salem	..	..	..	..	..	..	..			
Bombay	Surat	..	..	..	..	..	..	..	12,983	51 8 0	
India	....	..	..	..	..	..	..	..	..	90 0 0	
											Rs.
Total 1922-23	1st April 1922 to 31st March 1923.	831*	..	649	..	10	..	1,507	91,814	2,23,205 0 0	Cost of mapping, publishing and special surveys, only excluding Forest Map Office Head-quarters charges . 92,124
,, 1921-22	1st April 1921 to 31st March 1922.	319	..	1,413	..	64	..	1,796	90,307	1,77,130 0 0	Ditto . . 86,991
,, 1920-21	1st July 1920 to 31st March 1921.	86	..	1,294	..	40	..	1,420	88,511	96,573 0 0	Ditto . . 65,125
,, 1919-20	1st July 1919 to 30th June 1920.	281	..	869	..	35	..	1,185	87,091	99,325 0 0	Ditto . . 61,080
,, 1918-19	1st July 1918 to 30th June 1919.	..	..	109	..	189	..	298	85,906	68,980 0 0	Ditto . . 60,569

* Excludes 17 square miles surveyed on the ½-inch scale.

NOTE.—The figures in column (10) for each Province have been obtained by adding column (9) to the figures given in column (10) of the published statement in Annual Return of Statistics for the year 1921-22.

STATEMENT V.

Progress made in working plans.

Province.	AREA UNDER SANCTIONED WORKING PLANS.					AREA NOT UNDER WORKING PLANS.				REVISIONS.			
				At close of year.		Plans not under preparation.							
	At commencement of the year.	Added during the year.	Deducted during the year.	Actual area.	Percentage of total forest area (as shown in column 10).	Plans under preparation.	Required at present.	Not required at present.	Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Bengal	4,745	..	..	4,745	44·6	1,845	22	4,029	10,641	..	236	..	9,770
United Provinces	6,053	17	30	6,040	81·5	940	3	431	7,414	155	2,325	..	54,390
Punjab	2,789	94	392	2,491	39·9	279	40	3,428	6,238	226	658	..	772
Burma	9,942	72	3	10,011	8·3	1,682	7,847	100,401	119,941	3,451	1,475	21	24,633
Bihar and Orissa	1,461	23	..	1,484	53·0	..	..	1,311	2,795	872	640	419	2,469
Assam	238	..	..	238	1·1	719	2,444	17,830	21,231	240	..	..	..
Central Provinces	17,033	4	960	16,077	81·3	513	693	2,502	19,785	2,600	..	..	2,222
Coorg	520	18	18	520	100	..	..	..	520	..	..	..	..
North-West Frontier Province.	236	..	51	185	75·5	..	..	60	245	236	88	..	196
Ajmer	142	..	..	142	100	..	..	..	142	..	..	..	..
Baluchistan	..	..	..	..	..	..	..	785	785	..	..	..	..
Andamans	708	..	..	708	30·7	..	..	1,499	2,207	..	..	..	..
Madras	5,716	407	..	6,123	31·8	1,743	6,980	4,410	19,256	..	..	..	..
Bombay	7,880	133	144	7,869	62·9	582	1,511	2,542	12,504	1,552	1,201	1,266	53
TOTAL 1922-23	57,463	768	1,598	56,633	25·6	8,303	19,540	139,228	220,712	9,332	6,623	1,706	94,505
„ 1921-22	58,955	2,172	108	61,019	24·5	7,113	18,184	163,188	249,504	11,744	6,105	46	52,387
„ 1920-21	59,455	1,593	1,464	59,584	23·8	8,013	18,491	164,385	250,473	8,766	4,578	2,898	51,445
„ 1919-20	60,190	452	1,122	59,520	23·7	8,704	18,151	164,561	250,936	9,052	6,919	..	24,165
„ 1918-19	60,155	1,014	499	60,670	24·0	7,970	18,204	165,661	252,505	9,397	9,233	1,079	57,333

STATEMENT VI.

Expenditure on communications and buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads.	Buildings.	Roads.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	29,589	6,002	29,857	27,918	8,092	1,01,458
United Provinces	1,60,616	67,692	1,10,949	1,37,069	23,354	4,99,680
Punjab	67,637	94,642	19,802	31,461	17,435	2,30,977
Burma	2,08,859	3,28,945	99,061	1,16,717	33,830	7,87,412
Bihar and Orissa	46,672	30,059	22,782	38,964	6,552	1,45,029
Assam	40,182	39,293	32,435	44,033	13,823	1,69,766
Central Provinces	62,299	47,165	49,562	58,696	22,844	2,40,566
Coorg	18,526	1,35,791	5,793	26,866	3,615	1,90,591
North-West Frontier Province	23,107	18,490	3,597	4,154	2,515	51,863
Ajmer	155	8	61	172	5,875	6,271
Baluchistan	591	..	230	..	..	821
Andamans	15,907	3,331	204	13,515	1,31,924	1,64,881
Madras	97,002	1,37,655	65,869	95,504	12,666	4,08,696
Bombay	34,646	91,886	30,747	71,030	17,090	2,45,399
Total 1922-23	8,05,788	10,00,959	4,70,949	6,66,099	2,99,615	32,43,410
„ 1921-22	14,21,419	9,54,239	4,69,804	6,75,470	1,92,675	37,13,607
„ 1920-21	13,73,451	8,96,500	3,55,044	5,90,017	1,40,735	33,55,747
„ 1919-20	15,01,544	9,96,550	3,74,667	5,92,748	1,49,898	36,15,407
„ 1918-19	10,86,453	9,78,215	3,10,717	5,16,577	1,29,377	30,21,339

STATEMENT VII.

Breaches of forest rules.

Province.		Cases pending from 1921-22.	NEW CASES OF THE YEAR.					Total cases.	DISPOSED OF DURING THE YEAR.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Bengal	A.	59	..	83	45	14	142	201	121	252	14	54	135	306	64
	B.	122	47	1,251	1,010	635	2,943	3,065	2,931	5,301	8	14	2,939	5,315	109
	C.	..	85	123	6	27	241	241	..	..	..	..	..	..	..
	Total	181	132	1,457	1,061	676	3,326	3,507	3,052	5,553	22	68	3,074	5,621	173
United Provinces	A.	43	35	84	27	32	178	221	118	348	44	89	162	437	59
	B.	160	50	1,515	2,024	268	3,857	4,017	3,406	8,235	502	1,117	3,908	9,352	109
	C.	..	79	140	9	23	251	251	..	..	..	..	..	..	..
	Total	203	164	1,739	2,060	323	4,286	4,489	3,524	8,583	546	1,206	4,070	9,789	168
Punjab	A.	180	7	127	187	135	456	636	386	1,305	68	386	454	1,641	166
	B.	577	5	2,324	4,698	1,019	8,046	8,623	7,990	11,554	43	74	8,033	11,628	585
	C.	..	79	24	3	..	106	106	..	..	..	..	..	..	..
	Total	757	91	2,475	4,888	1,154	8,608	9,365	8,376	12,859	111	410	8,487	13,269	751
Burma	A.	..	5	633	12	136	786	1,173	772	1,261	82	209	854	1,470	..
	B.	..	7	4,314	187	1,601	6,109	7,134	5,456	7,427	..	..	5,456	7,427	..
	C.	..	3	42	..	5	50	50	..	..	..	..	..	..	..
	Total	1,412	15	4,989	199	1,742	6,945	8,357	6,228	8,688	82	209	6,310	8,897	1,559
Bihar and Orissa	A.	67	9	206	20	70	305	372	254	734	30	151	284	885	80
	B.	150	6	1,201	246	86	1,539	1,689	1,571	5,566	1	7	1,572	5,573	103
	C.	..	96	1	..	..	97	97	..	..	..	..	..	..	..
	Total	217	111	1,408	266	156	1,941	2,158	1,825	6,300	31	158	1,856	6,458	183
Assam	A.	114	..	123	16	100	239	353	231	682	36	135	267	817	86
	B.	131	1	614	130	186	931	1,062	973	2,388	..	..	973	2,388	89
	C.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	245	1	737	146	286	1,170	1,415	1,204	3,070	36	135	1,240	3,205	175
Central Provinces	A.	62	52	105	166	27	350	412	263	756	93	341	356	1,097	53
	B.	1,918	168	5,515	6,059	679	12,421	14,339	12,547	33,934	4	8	12,551	33,942	1,788
	C.	..	335	492	43	7	877	877	..	..	..	..	..	..	..
	Total	1,980	555	6,112	6,268	713	13,648	15,628	12,810	34,690	97	349	12,907	35,039	1,841
Coorg	A.	1	..	..	..	1	1	2	..	..	1	2	1	2	..
	B.	..	1	3	4	1	9	9	10	12	..	..	10	12	..
	C.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	1	1	3	4	2	10	11	10	12	1	2	11	14	..
North-West Frontier Province.	A.	50	..	180	114	4	298	348	204	443	29	94	233	537	104
	B.	..	..	660	845	14	1,519	1,519	1,519	2,785	..	..	1,519	2,785	..
	C.	..	13	70	37	5	125	125	..	..	..	..	..	..	..
	Total	50	13	910	996	23	1,942	1,992	1,723	3,228	29	94	1,752	3,322	104

STATEMENT VII—*concld.*

Breaches of forest rules—concld.

Province.		Cases pending from 1921-22.	NEW CASES OF THE YEAR.					Total cases.	DISPOSED OF DURING THE YEAR.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Ajmer	A.	3	2	1	2	1	6	9	8	10	1	3	9	13	..
	B.	1	3	343	628	182	1,156	1,157	1,151	2,023	5	7	1,156	2,030	1
	C.	..	1	..	..	..	1	1	..	..	..	..	..	..	..
	Total	4	6	344	630	183	1,163	1,167	1,159	2,033	6	10	1,165	2,043	1
Baluchistan	A.	8	..	37	3	..	40	48	41	59	5	7	46	66	2
	B.	..	..	8	39	3	50	50	51	60	..	..	51	60	..
	C.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	8	..	45	42	3	90	98	92	119	5	7	97	126	2
Andamans	A.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	B.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	C.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madras	A.	3,300	31	5,132	1,636	381	7,180	10,480	6,149	18,196	1,342	4,551	7,491	22,747	2,989
	B.	4,951	74	16,579	6,043	1,015	23,711	28,662	20,790	46,674	2,597	6,573	23,387	53,247	5,275
	C.	..	1,505	452	19	7	1,983	..	..	..	..	..	..	..	..
	Total	8,251	1,610	22,163	7,698	1,403	32,874	39,142	26,939	64,870	3,939	11,124	30,878	75,994	8,264
Bombay	A.	245	64	140	137	46	387	632	400	907	51	141	451	1,048	176
	B.	1,419	192	5,765	6,167	1,140	13,264	14,653	13,114	31,576	..	..	13,114	31,576	1,539
	C.	..	1,343	1,218	49	25	2,635	2,665	..	..	..	..	..	..	..
	Total	1,664	1,599	7,123	6,353	1,211	16,286	17,950	13,514	32,483	51	141	13,565	32,624	1,715
Grand Total	A.	4,132	205	6,851	2,365	947	10,368	14,887	8,947	24,953	1,796	6,113	10,743	31,066	3,779
	B.	9,429	554	40,092	28,080	6,829	75,555	85,979	71,509	157,535	3,160	7,800	74,669	165,335	9,593
	C.	..	3,539	2,562	166	99	6,366	4,413	..	..	..	..	..	..	..
Total 1922-23		14,973*	4,298	49,505	30,611	7,875	92,289	105,279	80,456	1,82,488	4,956	13,913	85,412	196,401	14,936*
„ 1921-22		15,160	5,598	46,437	27,682	8,320	88,597	103,757	76,078	182,377	4,171	14,924	80,249	197,301	15,060
„ 1920-21		14,000	3,786	33,779	25,412	6,322	69,299	83,299	60,089	145,249	2,532	7,561	62,621	152,810	15,116
„ 1919-20		14,854	4,052	43,779	31,584	7,410	87,425	10,227	78,252	186,793	2,772	8,887	81,024	195,680	14,294
„ 1918-19		11,238	4,275	44,013	31,756	6,941	86,985	98,223	73,477	173,767	2,687	8,407	76,164	182,174	14,864

N.B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

* Burma has not shown separately "A," "B" and "C" in column 2 and "A" and "B" in column 15. It has given the figures for the total of pending cases at the close of the year as—column 2, 1,412, and column 15, 1,559.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1921-22.	1922-23.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Bengal	674	657	13·7	3·0	2·5	
United Provinces	335	324	4·5	6·4	3·3	
Punjab	1,219	1,213	72·4	4·7	·5	
Burma	122	116	0·4	8·2	4·9	
Bihar and Orissa	1,491	1,243	85·0	7·3	16·6	
Assam	12	9	0·2	6·2	25·0	
Central Provinces	9,235	8,623	46·6	5·2	6·6	
Coorg	162	162	31·2	6·6	..	
North-West Frontier Province	78	78	33·1	16·3	..	
Ajmer	141	140	99·3	·3	·7	
Madras	17,710	16,358	92·8	5·6	7·6	
Bombay	10,678	1,266	88·7	5·6	88·1	
Total 1922-23	41,857	30,189	41·5	5·6	27·9	
„ 1921-22	45,957	42,266	44·3	5·0	8·0	
„ 1920-21	46,779	43,225	44·2	5·1	5·5	
„ 1919-20	45,535	43,067	44·2	4·7	5·4	
„ 1918-19	45,990	43,966	45·2	4·6	4·4	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal	2	..	9	3	31	3	3	..	32	10	77	16
United Provinces	30	2	52	76	49	4	34	29	46	27	211	138
Punjab	57	35	19	7	147	44	251	169	55	6	529	261
Burma	6	..	10	..	14	4	10	..	6	1	46	5
Bihar and Orissa	6	10	9	6	5	1	6	4	59	227	85	248
Assam	..	..	..	..	2	..	6	2	3	..	11	2
Central Provinces	18	3	86	106	16	23	68	75	4	..	6	..
Coorg	3	..	1	..	..	..	..	..	..	..	4	..
North-West Frontier Province	..	..	..	..	7	..	6	..	..	..	13	..
Ajmer	1	..	2	..	5	..	..	..	1	..	9	..
Baluchistan	..	..	..	..	..	..	..	..	..	..	..	..
Andamans	..	..	..	..	..	..	..	..	..	..	..	..
Madras	29	9	255	192	425	201	731	467	971	528	2,411	1,397
Bombay	39	3	117	9	336	87	175	38	948	285	1,615	422
Total 1922-23	191	62	560	399	1,037	367	1,290	784	2,125	1,084	5,017	2,489
„ 1921-22	240	101	716	655	1,229	491	1,497	1,169	2,525	1,448	6,207	3,864
„ 1920-21	225	113	511	660	1,034	320	676	514	1,945	1,051	4,391	2,638
„ 1919-20	219	86·4	672	588	1,198	341	1,112	709·1	2,246	1,076·1	5,447	2,800·6
„ 1918-19	219	66·3	515	567·7	1,182	290·8	1,118	427·7	1,864	858·5	4,898	2,210·6

STATEMENT X.

Area closed and open to grazing.

AREA IN SQUARE MILES.

Province.	Closed to all animals.		Open to grazing.				Total area.	Remarks.
			Of all animals.		*Of all animals except browsers (camels, sheep and goats).*			
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bengal	5,880	..	4,693	..	73	63	10,709	
United Provinces	2,245	126	4,238	..	801	4	7,414	
Punjab	485	27	4,921	297	303	205	6,238	
Burma	21,073	..	92,590	162	1,766	4,350	119,941	
Bihar and Orissa	1,179	..	265	190	1,153	..	2,787	
Assam	4,826	111	14,566	..	1,728	..	21,231	
Central Provinces	3,418	7	4,528	4	11,786	45	19,788	
Coorg	88	520	..	..	13	432	1,053	
North-West Frontier Province	51	1	46	..	137	..	235	
Ajmer	50	89	..	..	3	89	231	
Baluchistan	188	..	96	16	13	..	313	
Andamans	85	..	342	..	..	..	427	
Madras	3,148	831	14,272	11	988	..	19,250	
Bombay	2,512	199	3,104	..	9,181	..	14,996	
Total 1922-23	45,228	1,911	143,661	680	27,945	5,188	224,613	
„ 1921-22	47,000	2,237	166,670	652	27,619	5,326	249,504	
„ 1920-21	46,835	2,515	167,139	955	26,959	6,141	250,544	
„ 1919-20	47,161	1,602	171,683	1,885	25,742	5,317	253,389	
„ 1918-19	46,468	2,509	174,297	1,710	24,416	5,156	254,556	

STATEMENT XI.

Protection from Cattle.

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Bengal	1,802	1,365	332	..	27	75	45,634	..	..	7
United Provinces	72,114	177,802	153,628	1,861	3,139	10,834	47,519	4,142	..	245
Punjab	11,611	18,066	205,220	48,013	768	1,779	8,867	374,202	1,491	305
Burma	6,186	19,588	515	..	32	70	..	..	..	..
Bihar and Orissa	11,685	29,984	2,243	..	3	353	6,137	..	..	..
Assam	5,224	1,270	153	..	219	25	2	..	..	..
Central Provinces	22,828	74,779	41,129	..	53	36,909	450,685	288	..	7
Coorg	296	3,765	..	..	..	..	..	..	..	..
North-West Frontier Province	591	542	10	..	..	..	..	..	..	..
Ajmer	512	5,052	..	..	..	2,760	12,167	..	..	..
Baluchistan	..	789	1,200	..	104	..	..	..	..	..
Madras	74,635	602,864	550,033	..	..	11,873	119,407	37,260	..	..
Bombay	24,817	(a) 94,472	61,655	1,041	6,867	115,207	(a) 1,117,310	474,686	..	4,698
Total 1922-23	232,301	1,030,338	1,016,118	50,915	11,212	179,885	1,807,728	890,578	1,491	5,262
„ 1921-22	384,102	1,394,579	1,060,663	15,812	10,704	322,002	2,712,765	743,156	1,223	5,761
„ 1920-21	486,688	1,343,327	953,766	20,662	12,289	255,600	2,819,343	602,187	1,628	6,581
„ 1919-20	531,396	1,497,340	1,153,310	20,886	13,491	258,528	2,794,840	619,689	132	20,537
„ 1918-19	592,563	1,683,407	1,245,774	38,124	11,385	325,888	3,388,985	704,311	10	17,422

(a) Includes buffaloes in the Southern Circle.

MENT XI.

from cattle.

GRAZED FREE, NUMBER OF ANIMALS.										
By right under settlement.					During pleasure of Government or otherwise than under settlement.					Total number of animals grazed.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
..	..	..	..	..	963	3,035	67	..	..	53,307
39,631	484,259	45,469	..	1,559	7,645	36,878	61,188	..	122	1,148,035
131,650	650,573	1,298,309	285	184,458	3,925	21,349	..	807	2,786	2,964,464
136,745	378,267	..	..	1,964	21,564	1,213	..	..	11,756	577,900
41,711	234,545	42,359	..	..	..	..	..	..	..	369,020
29	643	..	..	..	4,457	5,249	1,677	..	..	18,948
..	..	..	..	..	715	14,844	46	..	..	642,283
..	579	..	..	..	..	12,890	..	..	..	17,530
5,366	6,699	..	..	..	8,179	13,403	..	..	..	34,790
..	..	..	..	..	240	753	..	..	..	21,484
..	3,310	53,226	1	1,193	..	..	..	120	..	59,943
1,327	6,809	2,282	..	..	7,464	55,301	994	..	..	1,470,249
9,116	23,342	..	..	43	73,332	(a) 450,975	4,272	299	4,379	2,466,511
395,575	1,789,026	1,441,645	286	189,217	128,484	615,890	68,244	1,226	19,043	9,844,464
378,662	2,029,210	1,464,585	473	188,086	155,000	834,991	168,524	5,516	21,255	11,897,069
406,376	1,778,504	1,440,990	287	188,166	222,779	1,393,225	210,512	2,300	13,943	12,159,153
405,922	1,830,657	1,435,699	186	188,850	223,495	1,372,687	147,698	6,086	15,648	12,537,077
369,514	1,586,326	1,417,528	186	188,330	221,107	1,380,953	129,379	9,247	13,941	13,324,380

STATEMENT XII.

Area of plantations and the cost of the year's work.

Province.	Area in acres at close of the year.			Cost of operations during the year.
	Regular plantations.	Taungyas.	Total.	
(1)	(2)	(3)	(4)	(5)
				Rs.
Bengal	6,794	5,199(*a*)	11,993	58,466
United Provinces	20,166(*b*)	318	20,484	69,537
Punjab	13,374	43(*c*)	13,417	1,29,262
Burma	3,692(*d*)	99,741(*e*)	103,433	57,000
Bihar and Orissa	3,263	502(*f*)	3,765	10,339
Assam	3,911	5,625	9,536	565
Central Provinces	1,195	8,649(*g*)	9,844	435
Coorg	2,072	3,733	5,805	8,813
North-West Frontier Province	42	..	42	258
Ajmer	533	..	533	26
Baluchistan	101	..	101	3,537
Andamans	2,063	..	2,063	..
Madras	21,420(*h*)	1,180(*i*)	22,600	46,375
Bombay	1,831(*j*)	..	1,831	7,939
Total 1922-23	80,457	124,990	205,447	3,92,552
„ 1921-22	47,119	101,109	148,223	4,36,231
„ 1920-21	65,157	104,018	169,175	2,99,233
„ 1919-20	66,210	101,321	167,531	2,80,252
„ 1918-19	63,568	94,446	158,014	1,91,983

(*a*) 100 acres excluded during the year.
(*b*) 70 „ „ „ „ „
(*c*) 12 „ „ „ „ „
(*d*) 32 „ „ „ „ „
(*e*) 6,359 „ „ „ „ „
(*f*) 50 „ „ „ „ „
(*g*) 784 „ „ „ „ „
(*h*) 75 „ „ „ „ „
(*i*) 10 „ „ „ „ „
(*j*) 14 „ „ „ „ „

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average outturn per square mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal	(a) 20,882,000	(a) 4,25,842	752,000	12,007	843,000	48,172	22,477,000	4,86,021	4,254	87	442	7	209	12	2,112	46
United Provinces	(a) 37,060,000	(a) 24,87,285	1,000	2,862	76,000	4,520	37,137,000	24,94,667	5,026	337	250	715	2,054	122	5,009	336
Punjab	(a) 10,950,000	(a) 12,03,421	16,288,000	9,73,704	5,756,000	2,65,319	32,994,000	24,42,444	6,502	715	4,037	241	11,090	511	5,289	392
Burma	31,996,000	5,01,772	..	..	65,606,000	7,32,654	97,602,000	12,34,426	1,528	18	..	..	709	8	8,142	10
Bihar and Orissa	4,635,000	95,061	19,581,000	1,95,259	12,000	374	24,228,000	2,90,694	2,642	54	18,955	189	1,500	47	8,668	104
Assam	(b) 4,881,000	(b) 2,13,945	..	..	(b) 11,050,000	(b) 7,02,562	(b) 15,931,000	(b) 9,16,507	871	38	..	..	707	45	750	43
Central Provinces	36,578,000	26,57,540	..	..	..	..	36,578,000	26,57,540	1,849	134	..	..	..	..	1,849	134
Coorg	403,185	22,093	116,254	588	..	..	519,439	22,681	775	42	..	..	..	..	999	44
North-West Frontier Province.	(c) 2,758,000	(c) 48,193	..	..	..	..	(c) 2,758,000	(c) 48,193	11,686	204	..	..	..	..	11,257	197
Ajmer	205,864	45,684	..	45	..	..	205,864	45,729	1,450	322	..	..	..	..	1,450	222
Baluchistan	113,779	42,948	..	..	165,986	20	279,765	42,963	364	137	..	..	352	..	356	55
Andamans	745,263	1,497	..	..	1,327,643	1,611	2,072,906	3,108	8,768	18	..	..	626	1	939	1
Madras	18,965,000	20,57,317	..	..	5,997,000	74,187	24,962,000	21,31,504	995	108	..	..	31,234	386	1,296	111
Bombay	(a) 50,995,000	(a) 17,51,636	1,219,000	3,405	..	..	(d) 52,214,000	17,55,041	4,235	145	2,627	7	..	..	4,176	140
Total 1922-33	221,168,091	1,15,54,229	37,957,254	11,87,870	90,833,629	18,29,419	349,958,974	1,45,71,518	2,191	114	5,244	164	786	16	1,564	65
,, 1921-22	218,580,978	1,06,97,572	35,535,818	13,10,719	107,266,278	17,98,973	361,383,074	1,38,07,264	2,106	103	4,701	174	776	13	1,448	55
,, 1920-21	185,012,636	1,00,06,763	34,539,446	12,06,466	79,101,907	23,90,398	298,653,989	1,36,00,627	1,788	97	4,595	161	567	17	1,192	54
,, 1919-20	205,357,374	93,16,424	37,516,337	14,75,964	96,642,122	20,84,800	339,515,833	1,28,77,188	1,994	91	4,724	186	690	15	1,353	51
,, 1918-19	215,356,096	1,08,18,246	38,725,668	10,54,538	89,769,154	28,31,804	343,850,918	1,42,04,588	2,119	106	4,526	123	635	17	1,367	56

(a) Includes leased forests.
(b) Excludes shared forests.
(c) Excludes Guzara forests.
(d) Sandal wood—
Kds. mds. lbs.
262 14 8
833 rejected pieces.
266 rejected trees.
505 roots.
15 cartloads chips.
936 chips.

STATEMENT XIV.

Forest produce removed by different agencies.

Part I.—Timber and Fuel.

Province.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	333,000	9,036,000	8,000	..	9,407,000	200,000	10,829,000	2,041,000	..	13,070,000
United Provinces	296,000	8,671,000	166,000	599,000	9,732,000	471,000	8,818,000	711,000	17,405,000	27,405,000
Punjab	2,300,000	1,400,000	116,000	1,248,000	5,064,000	2,910,000	1,340,000	21,000	23,659,000	27,930,000
Burma	6,160,000	41,725,000	625,000	1,126,000	49,636,000	4,622,000	41,205,000	193,000	1,946,000	47,966,000
Bihar and Orissa	15,000	1,974,000	24,000	643,000	2,656,000	547,000	3,323,000	39,000	17,663,000	21,572,000
Assam	184,000	7,181,000	596,000	..	7,961,000	43,000	3,587,000	4,668,000	9,000	8,307,000
Central Provinces	1,199,000	8,486,000	181,000	66,000	9,932,000	865,000	23,798,000	1,319,000	664,000	26,646,000
Coorg	321,848	58,581	..	..	379,929	47,485	92,025	..	..	139,510
North West Frontier Province	538,000	57,000	30,000	1,000	626,000	272,000	323,000	1,231,000	316,000	2,142,000
Ajmer	6	1,793	49	113	1,961	62,451	141,452	..	..	203,903
Baluchistan	10	1,020	369	..	1,399	12,898	265,468	..	..	278,366
Andamans	1,052,599	15,153	27,930	24,124	1,119,806	472,260	9,280	223,440	248,120	953,100
Madras	1,175,000	3,808,000	256,000	10,000	5,249,000	1,262,000	18,272,000	25,000	154,000	19,713,000
Bombay	1,401,000*	4,087,000	86,000	300,000	5,874,000*	7,991,000	28,511,000	53,000	9,785,000	46,340,000
Total 1922-23	14,974,963	86,531,547	2,116,348	4,017,237	107,640,095	19,778,094	140,514,225	10,524,440	71,849,120	242,665,879
,, 1921-22	16,809,862	96,612,588	2,434,884	4,041,720	119,899,054	21,780,923	136,780,927	14,205,170	68,730,000	241,497,020
,, 1920-21	13,256,619	72,374,084	1,940,100	3,131,627	90,702,430	16,893,042	114,656,636	11,759,881	64,660,000	207,969,559
,, 1919-20	14,929,994	80,685,176	2,116,673	3,089,160	100,821,003	22,217,740	137,726,267	12,318,823	66,570,000	238,832,830
,, 1918-19	14,349,698	72,234,306	1,881,782	3,050,354	91,516,140	25,573,610	147,424,956	11,602,212	68,206,000	252,806,778

* And Sandalwood—

Kds.	mds.	lbs.
262	14	8

833 rejected pieces.
266 rejected trees.
505 roots.
15 cartloads chips
936 chips.

STATEMENT XIV—*concld.*

Forest produce removed by different agencies—concld.

Part II.—Value of minor forest produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor Produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal . .	209	1,46,063	493	..	1,46,765	..	48,794	21,943	..	70,737	41,774	2,10,258	16,487	..	2,68,519
United Provinces .	204	1,41,247	165	6,701	1,48,317	7,068	1,70,937	17,171	2,99,702	4,94,878	14,28,500	3,66,266	7,116	49,590	18,51,472
Punjab . .	52,316	1,259	239	..	53,814	12	1,61,922	36,525	19,96,951	21,95,410	1,92,077	16,569	38	44,542	1,93,220
Burma . .	485	2,90,787	233	8,450	2,99,955	..	10,771	88,188	1,92,249	2,91,208	1,935	6,14,835	649	25,844	6,43,263
Bihar and Orissa .	8,822	44,809	831	30,533	84,995	..	11,325	736	99,177	1,11,238	9,870	57,701	74	26,816	94,461
Assam . .	360	40,739	15,608	..	56,707	..	16,075	86,064	127	1,02,266	55,557	5,02,114	2,04,046	..	7,61,717
Central Provinces .	3,531	3,42,478	6,139	3,931	3,56,079	3,817	14,21,040	1,36,439	2,19,841	17,81,137	2,53,207	2,53,695	9,937	3,485	5,20,324
Coorg . . .	..	1,960	..	..	1,960	..	1,234	..	..	1,234	..	19,487	..	..	19,487
North-West Frontier Province.	..	990	12,075	4,767	17,832	..	121	6,069	946	7,136	22,901	214	10	100	23,225
Ajmer . .	2	1,361	..	..	1,363	1,586	6,744	712	32,261	41,303	356	2,707	..	..	3,063
Baluchistan .	..	..	..	..	..	..	816	120	41,470	42,406	..	475	82	..	557
Andamans . .	11	20	232	52	315	..	..	..	..	..	73	98	2,374	248	2,793
Madras . .	29,107	3,77,399	1,691	..	4,08,197	..	9,23,859	12,865	5,573	9,42,297	35,253	7,41,582	2,605	1,570	7,81,010
Bombay . .	58	1,30,034	782	63,967	1,94,841	5,993	6,91,330	40,585	6,02,906	13,39,914	18,165	1,71,079	8,643	27,399	2,20,286
Total 1922-23 .	95,105	15,19,146	38,488	1,18,401	17,71,140	17,576	34,64,968	4,47,417	34,91,203	74,21,164	19,99,666	29,57,079	2,47,056	1,79,594	53,83,397
,, 1921-22 .	76,393	13,32,686	28,292	68,563	15,05,934	29,859	27,81,431	3,75,444	33,63,375	65,50,109	23,37,078	26,83,135	3,21,970	4,12,088	57,54,271
,, 1920-21 .	83,354	10,40,193	24,389	59,117	12,07,053	40,851	34,03,389	8,01,609	30,14,370	72,60,219	20,23,005	25,73,501	2,99,280	2,37,569	51,33,355
,, 1919-20 .	1,75,122	13,50,352	31,136	58,917	16,15,527	1,79,952	36,44,395	7,64,529	30,20,093	76,08,969	27,25,985	31,42,920	2,54,989	2,80,307	64,04,201
,, 1918-19 .	2,24,783	13,04,361	32,057	60,223	16,21,424	1,76,977	36,64,113	7,69,970	30,28,511	76,39,577	16,48,808	26,87,996	2,86,857	3,25,806	49,48,247

STATEMENT XV.

Exports of forest produce.

Articles of Forest Produce.	Quantity in tons of 20 cwt. in the case of teak and other timbers, cubic tons.		Valuation at port of shipment in 1922-23.	
	Average of 5 years 1917-18—1921-22.	In 1922-23.	Amount.	Value per ton.
(1)	(2)	(3)	(4)	(5)
			Rs.	Rs.
Caoutchouc, raw	5,359	5,580	72,50,093	1,299
Lac — Button	414	919	46,73,788	5,086
Lac — Shell	15,117	19,169	9,27,92,133	4,841
Lac — Stick, seed and other kinds	1,280	3,713	51,85,681	1,396
Cutch and gambier	2,250	1,966	7,62,236	388
Myrabolams	55,293	72,038	74,00,512	103
Cardamoms	413	174	5,62,027	3,230
Sandal	309*	501	8,43,406	1,683
Ebony and other ornamental wood	†	†	1,65,871	..
Teak	30,334	29,196	80,13,989	274
Other timbers	4,460	3,230	3,47,642	108
Total in 1922-23	..	..	12,79,97,378	..
„ 1921-22	..	..	9,98,56,627	..
„ 1920-21	..	..	10,94,79,365	..
„ 1919-20	..	..	11,78,26,638	..
„ 1918-19	..	..	6,78,92,745	..

* Average of four years 1918-19 to 1921-22 only, quantity figures prior to 1918-19 not being available.
† Quantity not recorded.

STATEMENT XV (*a*).

Year (calendar).	Imports of timber into British India, 1919-23.		Imports of sleepers of wood* for railways into British India. 1919-23.	
		Rs.		Rs.
1919	59,940	1,10,85,379	222	29,580
1920	68,560	1,16,08,544	10,272	19,89,780
1921	60,381	91,99,142	23,681	46,78,556
1922	38,527	49,13,195	18,926	29,44,791
1923	30,427	39,75,721	29,447	39,25,249

* Includes sleepers of Jarrah and other wood.

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	1,292	41,732	53,628	36,621	16,487	1,49,760
United Provinces	77,570	1,53,161	6,866	3,16,872	56,706	6,11,175
Punjab	64,753	8,63,184	239	20,33,476	44,575	30,06,227
Burma	1,86,416	15,264	9,636	2,80,438	25,540	5,17,294
Bihar and Orissa	59,732	2,98,369	31,364	99,913	27,539	5,16,917
Assam	30,738	53,107	15,608	86,241	1,96,165	3,81,859
Central Provinces	17,194	55,216	14,552	10,72,318	11,732	11,71,012
Coorg	..	..	..	3,222	..	3,222
North-West Frontier Province	2,964	43,396	..	23,857	110	70,327
Ajmer	68	..	..	32,973	..	33,041
Baluchistan	65	..	..	75	7	147
Andamans	2,164	11,789	286	..	16,861	31,100
Madras	36,560	1,353	1,691	14,648	7,842	62,094
Bombay	95,646	2,69,398	64,749	6,43,508	31,025	11,04,326
Total 1922-23	5,75,162	18,05,969	1,98,619	46,44,162	4,34,589	76,58,501
„ 1921-22	6,16,536	24,89,425	1,50,459	46,16,914	6,96,935	85,70,269
„ 1920-21	5,05,706	23,82,766	1,54,418	48,47,013	8,96,897	87,86,800
„ 1919-20	5,20,673	23,62,430	1,68,218	49,95,316	7,12,909	87,59,546
„ 1918-19	6,36,817	23,74,312	1,69,588	50,79,417	7,82,103	90,42,237

STATEMENT XVII.

Details of revenue and expenditure for the Forest year 1922-23.

				Rs.	Percentage of each item to total.
Gross Receipts	(a) Wood			4,38,05,758	79·3
	(b) Minor forest produce			48,77,553	8·8
	(c) Forest stamps and commutation fees for forest produce			2,56,050	·5
	(d) Grazing			34,81,136	6·3
	(e) Revenue from forests not managed by Government			3,27,993	·6
	(f) Miscellaneous			24,65,582	4·5
			Total Revenue	5,52,14,072	
Expenditure	A. Recurring	(a) Administration	(i) Superior Staff	68,49,149	17·3
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).	67,74,850	17·1
			(iii) Office Establishments (including Contingencies).	43,06,228	10·9
		(b) Working	(1) Extraction	1,22,53,064	31·0
			(2) Roads and Buildings	30,30,653	7·7
			(3) Fire protection	3,78,081	·1
			(4) Cultural operations	11,03,374	2·8
			(5) Live-stock, stores, and plant	15,21,570	3·8
			(6) Working-plans	80,686	·2
			(7) Rent for leased forests	4,15,283	1·0
			(8) Miscellaneous	18,39,435	4·6
		(c) Expenditure on realization of revenue from forests not managed by Government.		18,714	·05
		(d) Forest Science and Education (including all "A" and "B" charges of Imperial Forest College and Research Institute*).		31,953	·08
			Total	3,86,03,040	
	B. Extraordinary	(e) Forest Settlement		52,271	·1
		(f) Forest Survey		3,33,718	·8
		(g) Forest Demarcation		1,32,113	·3
		(h) Loss by exchange and expenditure in England		4,51,462	1·1
			Total	9,69,564	
			GRAND TOTAL OF EXPENDITURE	3,95,72,604	
			Net Revenue	1,56,41,468	

* Expenditure under this head in provinces has been included in (a) Administration.

STATEMENT XVIII.

Summary of revenue and expenditure of the Forest Department in India for the financial year 1922-23.

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma.	*Bihar and Orissa.	Assam.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	21,050	4,89,822	24,74,618	20,72,757	48,44,113	[38,942	1,62,720
II.—Timber and other produce removed from the forests by consumers or purchasers.	5,323	17,23,552	57,07,661	5,94,689	1,36,83,542	8,20,235	13,28,469
III.—Drift and waif wood and confiscated forest produce.	..	12,306	3,680	62,503	4,49,449	94	17,989
IV.—Revenue from forests not managed by Government.	80	..	34,000	3,345	1,73,488	..	59,772
V.—Miscellaneous	100	85,546	1,52,844	7,11,149	—2,06,640	22,633	1,44,903
Total Revenue .	26,553	23,11,226	83,72,803	34,44,443	1,89,43,952	8,81,904	17,13,853
EXPENDITURE.							
A.—Conservancy and Works.							
I.—Timber and other produce removed from the forest by Government agency.	3,944	1,53,153	25,43,021	17,01,060	33,26,290	28,850	49,816
II.—Timber and other produce removed from the forests by consumers or purchasers.	..	1,70,477	1,99,197	2,078	2,35,845	19,083	39,384
III.—Drift and waif wood and confiscated forest produce.	..	1,630	1,284	25,452	2,00,558	..	923
IV.—Revenue from forests not managed by Government.	..	..	17,858	..	436	..	286
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	..	..	2,82,644	8,392	..	4,610	32,865
VI.—Live-stock, stores, tools and plant . .	15	18,727	3,30,425	1,86,280	3,30,471	13,382	38,804
VII.—Communications and buildings . .	996	1,09,756	4,12,270	2,42,193	8,16,563	1,48,675	1,70,309
VIII.—Demarcation, improvements and extension of forests.	390	1,12,833	3,72,700	2,49,918	4,82,110	36,220	[29,288
IX.—Miscellaneous	..	11,743	52,414	13,11,910	1,48,503	10,976	26,768
Total A.—Conservancy and Works .	5,345	5,78,319	42,11,813	37,27,283	55,40,776	2,61,796	3,88,443
B.—Establishments.							
I.—Salaries	1,23,585	5,24,719	14,48,268	8,61,614	34,42,447	3,75,662	5,69,767
II.—Travelling Allowances	17,285	89,185	2,11,752	1,92,917	6,62,619	48,511	91,439
III.—Contingencies	†2,87,279	39,026	2,86,653‡	1,25,057	3,26,307	31,562§	‖64,985
Total B.—Establishments .	4,28,149	6,52,930	19,46,673	11,79,588	44,31,373	4,55,735	7,26,191
Grand Total of Expenditure .	4,33,494	12,31,249	61,58,486	49,06,871	99,72,149	7,17,531	11,14,634
Surplus .	..	10,79,977	22,14,317	..	89,71,803	1,64,373	5,99,219
Deficit .	4,06,941	..	..	14,62,428	..	..	..
Proportion of surplus to gross revenue . .	..	47	26	..	47	19	35
Net revenue per square mile of forest area under control of Forest Department.	..	101	299	..	75	59	28

* Includes Angul Division.
† Includes Rs. 2,69,646 on account of loss by exchange and Rs. 6,042 on account of Exhibition timber.
‡ Includes Rs. 18,766 on account of interest on debt and Rs. 36,472 on account of loss by exchange.
§ Includes Rs. 11,260 on account of loss by exchange.
‖ Includes Rs. 6,449 on account of loss by exchange.

.MENT XVIII.

Forest Department in India for the financial year 1922-23.

Central Provinces.	Coorg.	North-West Frontier Province	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Forest Surveys (Imperial).	Madras.	Bombay.	TOTAL.
(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
5,95,384	8,82,156	6,87,421	10,896	4,318	5,82,783	..	..	15,61,342	23,91,970	1,68,20,292
38,16,088	40,289	17,169	27,345	4,816	2,247	..	..	31,29,408	43,31,685	3,52,32,518
1,269	..	2,006	..	..	..	..	..	21,049	2,786	5,73,131
38,294	..	2,473	..	5,264	..	..	..	..	11,277	3,27,993
2,55,944	20,208	18,590	5,737	541	2,997	1,84,763	..	5,61,157	2,99,666	22,60,138
47,06,979	9,42,653	7,27,659	43,978	14,939	5,88,027	1,84,763	..	52,72,956	70,37,384	5,52,14,072
2,91,760	1,11,008	3,96,406	5,150	1,300	5,85,248	..	..	4,29,191	13,78,208	1,10,04,405
1,94,184	..	136	582	..	591	..	..	1,18,615	36,746	10,16,918
91	..	236	..	..	..	..	..	1,362	205	2,31,741
..	..	..	..	134	..	..	..	..	..	18,714
24,460	..	14,071	60	..	..	..	..	4,420	43,761	4,15,283
70,233	50,323	15,701	190	223	63,569	64,741	..	2,89,070	49,416	15,21,570
2,40,590	1,90,591	47,886	6,239	822	4,420	16,409	..	4,29,023	1,99,911	30,30,653
1,87,474	46,840	2,817	1,906	4,027	23,604	..	1,19,935	2,76,505	1,28,783	20,75,350
60,387	7,281	8,050	802	37	4,893	83,189	..	57,168†	54,165	18,38,286
10,69,179	4,06,043	4,85,303	14,929	6,543	6,82,325	1,64,339	1,19,935	16,05,354	18,85,195	2,11,52,920
14,46,659	1,46,075	93,269	20,165	24,623	1,10,404	4,96,456	..	24,55,108	19,57,023	1,40,95,844
1,91,390	26,553	21,739	3,252	4,568	10,062	33,690	..	4,58,769	2,78,112	23,41,863
3,27,189*	7,336	12,052	1,494	734	2,393	45,101	..	2,70,232	1,54,577	19,81,977
19,65,238	1,79,964	1,27,080	24,911	29,925	1,22,859	5,75,247	..	31,84,109	23,89,712	1,84,19,684
30,34,417	5,86,007	6,12,383	39,840	36,468	8,05,184	7,39,586	1,19,935	47,89,463	42,74,907	3,95,72,604
16,72,562	3,56,646	1,15,276	4,138	..	..	..	..	4,83,493	27,62,477	1,84,24,281
..	..	..	..	21,529	2,17,157	5,54,823	1,19,935	..	..	27,82,813
36	38	16	9	..	..	..	..	9	39	28
85	686	471	29	..	..	..	..	25	221	70

E

* Includes Rs. 24,164 on account of loss by exchange.
† Includes Rs. 40,000 on account of investments on Government undertakings.

STATE

Revenue of the Forest Department throughout India for the 24 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	2,175	31,717	25,429	10,866	5,147	9,688	6,090
Bengal†	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910
United Provinces	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740
Punjab	6,87,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770
Burma	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050
Bihar and Orissa	..	..	..	..	..	..	..
Assam‡	..	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100
Central Provinces and Berar	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490
Coorg	92,491	78,887	1,03,176	1,13,024	1,53,136	1,33,456	1,62,410
North-West Frontier Province	..	..	..	..	..	..	..
Ajmer	65	1,152	4,475	11,859	15,233	14,162	10,270
Baluchistan	..	..	8,556	10,973	17,998	15,330	17,060
Andamans	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600
Imperial Forest College and Research Institute.	..	..	..	397	1,636	3,040	3,210
Forest Surveys (Imperial)	..	17	139	206	668	300	420
Madras	6,03,243	5,88,389	8,66,020	13,00,481	17,14,328	21,10,988	23,02,290
Bombay	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200
Grand Total	56,30,061	66,60,397	88,17,213	1,16,68,143	1,39,49,014	1,77,15,756	1,90,09,610

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	7,666	8,189	10,632	8,662	10,680	12,837	11,471
Bengal‡	11,97,659	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111
United Provinces	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487
Punjab	14,57,449	12,88,792	10,32,633	12,17,988	13,10,073	12,39,033	13,54,943
Burma	86,63,989	91,92,032	93,58,077	10,07,117	99,67,594	1,09,22,393	1,14,25,430
Bihar and Orissa	..	..	..	..	4,07,213	4,38,958	4,91,735
Assam‡	14,30,447	14,46,368	15,54,732	18,90,635	11,46,320	11,42,091	10,97,969
Central Provinces and Berar	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453
Coorg	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227
North-West Frontier Province	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741
Ajmer	29,864	27,615	23,990	33,846	26,361	36,596	33,897
Baluchistan	24,829	23,305	18,729	23,212	20,117	20,159	19,988
Andamans	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811
Imperial Forest College and Research Institute.	6,137	4,680	4,909	4,080	5,550	7,611	5,806
Forest Surveys (Imperial)	..	..	..	..	..	..	..
Madras	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320
Bombay	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156
Grand Total	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred

MENT XIX.

from 1899-1900 to 1922-23 and the average of 6 quinquennial years from 1869-70 to 1898-99.

NUE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
2,463	3,484	3,659	7,455	3,768	7,255	..	Imperial.*
12,33,339	12,92,237	12,56,247	10,65,523	11,67,472	11,18,542	10,65,859	Bengal.†
15,65,463	17,15,508	20,25,324	22,80,446	23,97,318	24,33,428	25,02,664	United Provinces.
13,50,842	14,47,558	15,86,408	17,17,797	18,74,443	17,81,653	16,05,284	Punjab.
80,54,444	58,73,938	67,39,053	82,68,535	89,59,756	1,03,29,869	98,12,519	Burma.
..	..	..	..	..	..	..	Bihar and Orissa.
5,49,521	5,12,963	5,80,200	6,75,732	8,15,677	11,06,096	13,20,592	Assam.‡
12,65,614	15,79,116	16,84,428	19,98,032	20,13,459	24,49,131	24,01,159	Central Provinces and Berar.
1,37,596	1,70,242	1,90,730	2,24,031	1,93,087	2,45,419	2,35,909	Coorg.
..	13,012	1,01,123	1,01,833	90,991	1,28,529	1,83,214	North-West Frontier Province.
10,646	6,865	9,736	13,884	17,297	15,002	18,335	Ajmer.
16,956	14,712	19,336	18,363	22,555	21,481	21,195	Baluchistan.
2,77,886	2,66,903	3,26,035	4,32,381	6,20,796	5,82,511	6,07,027	Andamans.
3,697	3,545	3,252	3,038	3,557	3,080	4,579	Imperial Forest College and Research Institute.
327	473	3,034	431	..	..	..	Forest Surveys (Imperial).
23,40,170	25,43,430	26,13,819	26,57,727	28,29,216	29,67,604	32,90,669	Madras.
29,61,529	23,79,729	23,29,156	27,51,539	30,20,558	38,84,993	34,22,481	Bombay.
1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950	2,66,74,593	2,64,91,486	Grand Total.

1914-15.	1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
12,047	23,457	24,546	51,720	27,488	24,527	27,122	27,803	26,553	Imperial.*
13,04,496	11,45,610	13,38,779	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226	Bengal.†
31,35,235	37,38,831	50,40,932	61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803	United Provinces.
14,38,005	17,27,283	16,87,801	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443	Punjab.
97,07,694	96,99,217	1,23,79,531	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952	Burma.
5,49,779	5,17,727	5,29,081	7,53,625	9,44,763	8,17,458	8,10,602	9,00,373	8,81,904	Bihar and Orissa.
8,32,877	10,55,052	11,48,621	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,13,853	Assam.‡
32,72,529	32,78,262	33,71,578	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979	Central Provinces and Berar.
1,99,237	4,49,155	4,87,314	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653	Coorg.
2,38,013	1,86,815	2,40,985	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659	North-West Frontier Province.
31,170	23,445	21,272	27,733	37,280	34,914	48,112	40,812	43,978	Ajmer.
19,058	21,633	18,277	17,934	25,108	17,937	22,544	17,229	14,939	Baluchistan.
3,39,248	4,34,784	6,49,711	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027	Andamans.
8,617	6,995	8,199	8,304	9,083	8,308	12,648	24,117	1,84,763	Imperial Forest College and Research Institute.
..	..	..	..	..	..	..	..	..	Forest Surveys (Imperial).
39,41,537	41,06,838	45,96,126	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956	Madras.
46,80,242	47,01,263	55,19,177	63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384	Bombay.
2,97,99,784	3,11,16,367	3,70,61,930	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072	Grand Total.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATE

Expenditure of the Forest Department throughout India for the 24 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550
Bengal†	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210
United Provinces	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380
Punjab	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460
Burma	4,02,847	6,12,279	10,12,512	13,22,424	16,72,883	21,20,642	24,47,440
Bihar and Orissa	..	..	..	..	..	..	..
Assam‡	..	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140
Central Provinces and Berar	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820
Coorg	40,684	36,591	62,248	73,907	77,016	82,146	74,220
North-West Frontier Province	..	..	..	..	..	..	..
Ajmer	6,197	18,692	13,197	17,620	14,061	16,722	15,350
Baluchistan	..	..	12,594	16,130	39,452	33,508	28,680
Andamans	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940
Imperial Forest College and Research Institute.	..	..	..	28,746	45,023	65,120	73,550
Forest Surveys (Imperial)	11,911	63,288	40,447	24,477	24,491	31,936	33,980
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530
Bombay	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430
Grand Total	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.
Imperial*	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296
Bengal†	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157
United Provinces	11,94,013	12,22,436	12,09,308	12,37,938	13,63,673	16,29,264	18,96,014
Punjab	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177
Burma	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901
Bihar and Orissa	..	..	..	..	3,00,916	3,75,894	3,55,648
Assam‡	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240
Central Provinces and Berar	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129
Coorg	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514
North-West Frontier Province	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023
Ajmer	18,188	19,916	19,272	19,918	22,343	29,714	23,595
Baluchistan	31,258	36,586	26,549	26,387	28,947	28,527	25,310
Andamans	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676
Imperial Forest College and Research Institute.	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338
Forest Surveys (Imperial)	27,060	39,128	41,062	41,140	38,798	35,809	37,743
Madras	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817
Bombay	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877
Grand Total	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred

MENT XIX—*contd.*

from 1899-1900 to 1922-23 and the average of 6 quinquennial years from 1869-70 to 1898-99.

DITURE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	PROVINCE.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,578	79,539	85,017	89,345	83,058	83,767	95,472	Imperial.*
5,70,806	6,57,131	6,38,014	7,03,508	6,88,589	5,93,509	6,33,386	Bengal.†
9,63,439	10,08,739	10,13,998	10,81,438	13,91,583	14,05,182	13,06,651	United Provinces.
8,87,343	9,38,335	9,60,095	11,56,415	10,12,354	12,65,664	11,44,403	Punjab.
26,54,717	24,46,457	28,90,263	33,52,404	34,46,924	39,38,063	36,59,753	Burma.
..	..	..	..	..	..	..	Bihar and Orissa.
3,47,972	3,29,112	3,27,498	4,25,484	5,03,656	5,93,910	7,07,860	Assam.‡
11,65,866	12,00,904	12,57,288	12,80,966	13,20,615	13,07,153	13,42,898	Central Provinces and Berar.
70,905	82,333	89,437	92,191	83,820	95,748	1,02,855	Coorg.
..	19,510	54,086	60,603	74,958	95,258	92,650	North-West Frontier Province.
16,782	15,927	16,377	16,680	15,641	17,131	16,715	Ajmer.
29,254	24,480	23,240	21,697	24,672	25,743	26,322	Baluchistan.
1,40,137	2,04,667	2,81,702	2,66,121	3,42,431	3,35,985	2,95,136	Andamans.
71,238	76,290	66,338	59,339	61,424	80,669	1,37,486	Imperial Forest College and Research Institute.
33,991	33,730	33,985	33,935	28,229	30,044	30,389	Forest Surveys (Imperial).
17,15,431	17,09,554	18,35,552	17,50,930	19,86,098	22,66,602	24,80,660	Madras.
24,08,581	17,19,680	16,76,441	17,75,937	19,03,804	21,26,093	19,90,183	Bombay.
1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856	1,42,58,521	1,40,63,799	GRAND TOTAL.

1914-15.	1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
99,478	1,09,502	1,03,248	90,332	1,10,638	1,32,777	1,68,993	2,57,011	4,33,494	Imperial.*
6,70,935	5,93,635	6,19,649	7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	12,31,249	Bengal.†
23,17,740	25,66,307	27,35,915	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486	United Provinces.
8,89,302	9,23,878	9,34,662	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871	Punjab.
46,80,447	48,86,241	49,36,588	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149	Burma.
3,84,371	3,61,550	4,47,972	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531	Bihar and Orissa.
8,98,339	7,55,214	6,76,033	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634	Assam.‡
19,36,569	17,34,336	17,68,775	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417	Central Provinces and Berar.
1,75,833	1,76,633	1,60,492	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007	Coorg.
1,25,539	1,04,795	1,18,070	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383	North-West Frontier Province.
21,733	25,152	26,634	26,504	28,508	47,282	37,417	41,320	39,840	Ajmer.
26,000	27,995	26,929	29,990	28,787	25,314	28,761	53,275	36,468	Baluchistan.
2,58,056	4,30,832	4,28,652	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184	Andamans.
3,31,091	2,78,518	3,05,498	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,586	Imperial Forest College and Research Institute.
42,353	48,663	47,407	56,597	59,110	59,953	90,448	1,07,113	1,19,935	Forest Surveys (Imperial).
28,60,685	29,27,318	28,42,678	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463	Madras.
24,87,925	26,42,038	25,64,681	33,53,714	78,72,197	59,18,682	53,05,022	50,23,946	42,74,907	Bombay.
1,82,06,450	1,85,92,607	1,87,43,883	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,95,72,604	GRAND TOTAL.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 24 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700
United Provinces	2,96,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610
Bihar and Orissa	..	..	..	..	..	..	..
Assam‡	..	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960
Central Provinces and Berar	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190
North-West Frontier Province	..	..	..	..	..	..	..
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080
Baluchistan	..	..	—4,038	5,157	—21,454	—18,178	—11,620
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660
Imperial Forest College and Research Institute.	..	..	..	—28,349	—43,387	—62,080	—70,340
Forest Surveys (Imperial)	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770
Grand Total	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825
Bengal†	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954
United Provinces	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473
Punjab	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766
Burma	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529
Bihar and Orissa	..	..	..	..	1,06,297	63,064	1,36,087
Assam‡	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729
Central Provinces and Berar	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324
Coorg	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713
North-West Frontier Province	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718
Ajmer	11,676	7,699	4,718	13,928	4,018	6,882	10,302
Baluchistan	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322
Andamans	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135
Imperial Forest College and Research Institute.	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532
Forest Surveys (Imperial)	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743
Madras	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503
Bombay	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279
Grand Total	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred

MENT XIX—*concld.*

from 1899-1900 to 1922-23 and the average of 6 quinquennial years from 1869-70 to 1898-99.

PLUS.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—81,115	—76,055	—81,358	—81,890	—79,290	—76,512	—95,472	Imperial.*
6,62,533	6,35,106	6,18,233	3,62,015	4,78,883	5,25,033	4,32,473	Bengal.†
6,02,024	7,06,769	10,11,326	11,99,008	10,05,735	10,28,246	11,96,013	United Provinces.
4,63,499	5,09,223	6,26,313	5,61,382	8,62,089	5,17,989	4,60,881	Punjab.
53,99,727	32,27,481	38,48,790	49,16,131	55,12,332	63,91,806	61,52,766	Burma.
..	..	..	..	..	..	..	Bihar and Orissa.
2,01,549	1,83,851	2,52,701	2,50,248	3,12,021	5,12,186	6,12,732	Assam.‡
99,748	3,78,212	4,27,140	7,17,066	6,92,844	11,41,978	10,58,281	Central Provinces and Berar.
66,691	87,909	1,01,293	1,31,840	1,09,267	1,49,671	1,33,054	Coorg.
..	6,498	47,038	41,230	16,033	33,271	89,564	North-West Frontier Province.
—6,136	—9,062	—6,641	2,796	1,656	—2,129	1,620	Ajmer.
—12,298	—9,768	—3,904	3,334	—2,117	—4,262	—5,127	Baluchistan.
1,37,749	62,236	44,333	1,66,260	2,78,365	2,46,526	3,11,891	Andamans.
—67,541	—72,745	—63,086	—56,301	—57,867	—77,589	—1,32,907	Imperial Forest College and Research Institute.
—33,664	—33,257	—30,951	—33,504	—28,229	—30,044	—30,389	Forest Surveys (Imperial).
6,24,739	8,33,876	7,78,267	9,06,797	8,42,118	7,01,002	8,10,009	Madras.
5,52,948	6,50,040	6,52,715	9,75,602	11,16,954	13,58,900	14,32,298	Bombay.
86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094	1,24,16,072	1,24,27,687	Grand Total.

1914-15.	1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—87,431	—86,045	—78,702	—38,612	—83,150	—1,08,250	—1,41,871	—2,29,208	—4,06,941	Imperial.*
6,33,561	5,51 975	7,19,130	6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	10,79,977	Bengal.†
8,17,495	11,72,524	23,05 017	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317	United Provinces
5,48,703	8,03,405	7,53,139	9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	—14,62,428	Punjab.
50,27,247	48,12,976	74,42,943	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803	Burma.
1,65,408	1,56,177	81,109	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373	Bihar and Orissa.
—65,462	2,99,838	4,72,588	6,23,329	8,01,757	6,59,873	5,65,343	3,05,516	5,99,219	Assam.‡
13,35,960	15,43,926	16,02,803	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562	Central Provinces and Berar.
23,404	2,72,522	3,26,822	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646	Coorg.
1,12,420	82,020	1,22,915	1,83,836	1,73,965	1,61,088	—2,34,418	—1,74,531	1,15,276	North-West Frontier Province.
9,437	—1,707	—5,362	1,229	8,772	—12,368	10,695	—508	4,138	Ajmer.
—6,942	—6,362	—8,652	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529	Baluchistan.
81,192	3,952	2,21,059	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157	Andamans.
—3,22,474	—2,71,523	—2,97,299	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,323	Imperial Forest College and Research Institute.
—42,353	—48,663	—47,407	—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935	Forest Surveys (Imperial).
10,80,852	11,79,520	17,53,448	24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	4,83,493	Madras.
21,92,317	20,59,225	29,54,496	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	27,62,477	Bombay.
1,15,03,334	1,25,23,760	1,83,18,047	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,56,41,468	Grand Total

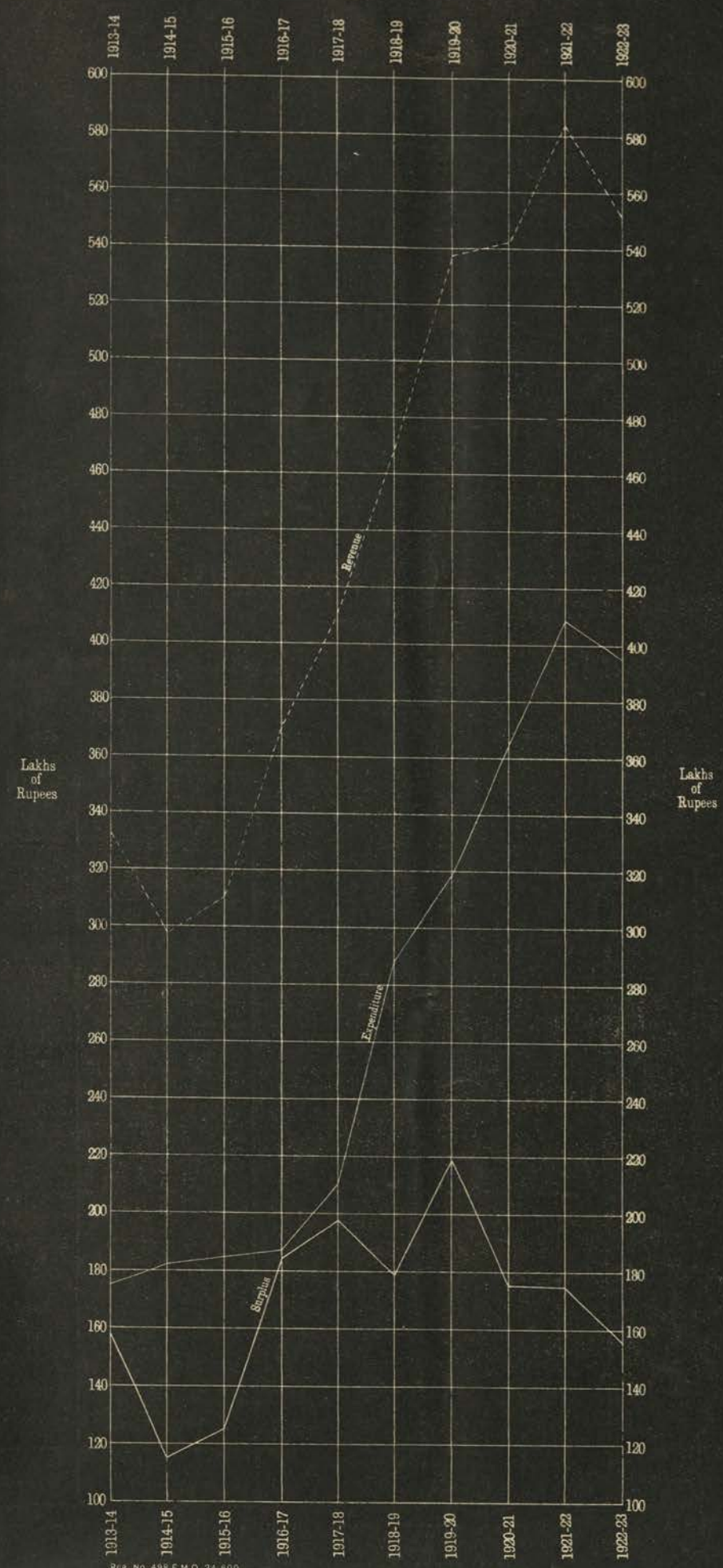
Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

SGPI—S21—IV-1-1—23-8-24—577.

DIAGRAM SHOWING

ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS.

FOR THE 10 YEARS 1913-14 TO 1922-23



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I. G. F. No. 13

Annual Return of Statistics relating to Forest Administration in British India for the year 1923-24

(With which is incorporated the Quinquennial Review, ending 31st March 1924.)

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APPENDIX.

1. Area under the control of the Forest Department compared with the total area of British India (including the Shan States).
2. Growth of forest revenue and expenditure by quinquennial periods since 1864-69.
3. Diagram showing annual forest revenue, expenditure and surplus for the 10 years 1914-15 to 1923-24.

No. 867.

GOVERNMENT OF INDIA.

DEPARTMENT OF EDUCATION, HEALTH AND LANDS.

Simla, the 2nd October 1925.

FORESTS.

The following review of Forest Administration in British India during the five years ending the 31st March 1924 is published for general information. **Constitution of the Forests.**

Forest area.

At the close of the quinquennial period under review the forest areas in British India, including the Shan States, amounted to 2,28,850 square miles of which 1,03,449 square miles are reserved, 7,931 square miles protected, and 1,17,470 square miles unclassed State forests, the whole representing 20·8 per cent. of the total area of British India (with the Shan States) or, taking into account only reserved and protected forests, 10·1 per cent.

A small increase occurred in the area of reserved and protected forests under the Forest Department, though, as a set off against this, mention must be made of the fact that 829 square miles in the Punjab were disforested principally for colonization purposes, and smaller areas in Bombay, Madras and the Central Provinces were also disforested. The largest increase in area occurred in Burma—a net increase of 1,409 square miles being reported.

Forest surveys.

2. The areas surveyed by the Survey of India amounted to 8,563 square miles, mostly on the two inch scale, and 1,065 sheets were published. The cost debited to the Forest Department on account of mapping and publishing and the cost of special surveys, etc., amounted to Rs. 11,19,813, as compared with a sum of Rs. 1,96,781 during the previous period.

The outstanding event under this head was the successful survey from the air of the forests, aggregating 1,350 square miles, in the Delta of the Irrawaddy, during 1923-24. The results are of considerable value and both the Government of Burma and the Survey of India are to be congratulated on putting the matter through.

Administration and control.

3. The appointment of Inspector General of Forests was held by Sir George Hart, K.B.E., C.I.E., until 23rd February 1921, when he proceeded on leave preparatory to retirement. Sir George Hart retired on the 14th October 1921 and was succeeded by Sir Peter Clutterbuck, C.I.E., C.B.E., the present incumbent. **Organization.**

During the period now being dealt with, the tours of the Inspector General of Forests extended over portions of every province in India, the Andamans and Kashmir. These visits are of great value not only to the local Governments concerned but also to the Government of India; to the former as it enables them to obtain independent and expert advice on professional questions from an officer of ability and much experience, and to the latter as these tours help considerably to maintain a continuous forest policy throughout the country.

Many changes occurred under administration in the provincial forest departments during the five years under review, the principal of which may be mentioned. In Madras, the Presidency was divided into six Conservators' circles, whilst in Burma the territorial circles were increased from 4 to 7 and the special circles of Working plans and Utilization were created. In this province also the post of Silviculturist was filled in 1920-21 and ten new forest divisions, including the Myitmaka Extraction division, were formed. A Working plan and Research

Note.—The Forest year was abolished in 1921 and the Financial year adopted for future Annual Forest reports, that for 1920-21 covering the period 1st July 1920 to 31st March 1921. The effect of this change is that the present review actually covers a period of only four and three quarter years.

circle, with a Conservator and five major charges, was created in the United Provinces and in the Punjab a Utilization circle was formed in 1921 and at the same time a post of Chief Conservator was sanctioned for general administration. On the other hand, the two posts of Conservator of Forests, Utilization circle and Working plan circle, Bombay, created during the period, were held in abeyance as a retrenchment measure after having been filled for some time.

With a view to keep the Government in touch with non-official opinion in regard to forest policy in Madras, a standing forest advisory committee was formed in 1921 consisting of non-official members of the Legislative Council presided over by the Hon'ble Member in charge of the forest portfolio. In addition, in furtherance of the policy of enlisting public opinion in local forest matters, committees of local forest officers, members of the Legislative Council and non-official gentlemen were appointed in Madras to enquire into forest grievances in certain districts and submit recommendations.

Recruitment and training.
(a) Indian Forest Service.

4. No change occurred in the method of recruitment of officers for this service till 1920, since when, as a result of the orders passed on the recommendations of the Islington Commission of 1915, recruitment of probationers for the Indian Forest Service has been made—

(*i*) by direct recruitment in England and India ; and

(*ii*) by promotion from the Provincial Forest Service in India.

Recruitment in England for direct appointment is carried out under regulations laid down by the Secretary of State for India. Similarly, recruitment in India is carried out under regulations laid down by the Government of India. These latter regulations were issued in 1920, and under them, for the first time, recruits were appointed in India and sent to England for training. This procedure was regularly adopted up to the year 1924. European candidates who had rendered war service were recruited as a special case both in England and India during the years 1919, 1920, 1921 and 1922. Before appointment to the Indian Forest Service probationers selected directly in England and India at present undergo professional training at the Universities in the United Kingdom. In view of the practical difficulties of securing the joint training of European and Indian recruits at one institution in the United Kingdom the question of the place at which Indian Forest Service recruits should be trained in future was considered during the quinquennium. The matter was discussed in both the chambers of the Indian Legislature who recommended that all recruits should be trained in India as soon as the necessary arrangements could be made. Final conclusions on these proposals however were not reached before the close of the period.

Strength of the cadre.

The provincial cadres were reorganised between the years 1916—21. The sanctioned strength of the Indian Forest Service in March 1924 was 399, of which 353 are to be direct recruits and 46 promoted Provincial Forest Service officers. The actual number of officers in service on the 1st July 1923 was 306. Of these 255 were directly recruited Europeans, 5 promoted Europeans of non-Asiatic domicile and 46 Indians. Of the latter 27 were Indians and 19 Anglo-Indians or Statutory natives of India. On the 31st March 1924 the position was as follows—

Europeans (direct)	268
Europeans (promoted)	9
Indians—Anglo-Indians (promoted)	15
Indians (direct)	33
Indians (promoted)	17
Burmese	2
Total ..	344

There were 38 probationers under training in the United Kingdom at that time.

Indianization.

Before 1920 the only avenue for appointment to the Indian Forest Service ordinarily open to Indians was that of direct appointment by the Secretary of State after selection and training in England. With the exception of two officers (one of whom joined in 1869 and another who was promoted from the Provincial Forest Service in 1907) no Indians entered the service between 1866 and 1910. Thereafter one joined in each of the years 1911, 1913, 1915, and 1919. In 1920, in consequence of the recommendations of the Islington Commission, the Secretary of State sanctioned the following alterations affecting the appointment of Indians :—

(*i*) 12½ per cent. of the directly recruited posts in the Indian Forest Service in each province were to be regarded as 'listed' posts to be filled by the promotion of present and future members of the Provincial Forest Service other than those who were then Extra Deputy Conservators, who were also to be promoted at once if qualified.

(*ii*) In 1920, 40 per cent. of the vacancies for probationers directly appointed by the Secretary of State in England were to be reserved for Indians if available. (In the result 4 Indians out of a total of 29 recruits or 14 per cent. were so appointed.) From 1921 onwards up to $\frac{40}{25}$ per cent. of the vacancies for direct appointment were to be filled by $\frac{\text{Indians}}{\text{Burmese}}$ recruited both in $\frac{\text{India}}{\text{Burma}}$ and in England. The question of further increasing the rate of Indianization in the Forest Service was under the consideration of the Lee Commission when the period of the review closed.

Conditions of Salary (Indian Forest Service).

In consequence of the recommendations of the Islington Commission the time-scale of pay for Assistant and Deputy Conservators of Forests was from July 1919 increased to Rs. 450 a month in the 1st year of service rising by annual increments of Rs. 50 to Rs. 1,600 a month in the 23rd year of service with an efficiency bar at Rs. 850. At the same time rates of pay for Conservators of Forests were altered to an incremental scale of Rs. 1,750—50—2,000, the previous system of payment by grades being abolished. For Chief Conservators an incremental scale of Rs. 2,500—125—2,750 was introduced and the pay of the Inspector General of Forests was fixed at Rs. 3,250 a month.

The rates of basic pay at present in force were brought into effect from 1st December 1919 when the principle of a standard rate of pay, coupled with overseas pay in the case of officers of non-Asiatic domicile, was accepted. From the end of April 1921 the pay of Conservators was raised to Rs. 1,750—100—2,150 and from the same date the overseas pay was also raised by Rs. 50 per mensem in the case of officers in their 7th to 12th years of service.

(b) Provincial Service.

There was no change in the methods of recruitment and training for the Provincial Forest Service. All Extra Deputy Conservators of Forests who were considered to be fully qualified to hold a major charge were transferred to the Indian Forest Service from 12th March 1920 and now hold 'listed' posts in the cadre of that service. Those not so promoted continue to be styled Extra Deputy Conservators. Except for these unpromoted officers, of whom there were five on the 1st July 1923, the class of Extra Deputy Conservators has been abolished and the service consists of Extra Assistant Conservators only.

Officers of the Provincial Service are now eligible for promotion to 12½ per cent. of the posts in the Indian Forest Service, such promotion being made by local Governments. The strength of the Provincial Service, which is determined in each province by the local Government, was 301 on the 1st July 1923. Consequent on the grant of enhanced financial powers from 1st April 1921 it now rests with the Provincial Governments to determine the pay of the Provincial Forest Service subject to the proviso that the maximum rate of pay of a permanent post shall not exceed Rs. 1,200 a month. The scales of pay of this service were revised in most provinces during the period of the quinquennium.

(c) Subordinate Service.

The question of the decentralization of the training of rangers was a matter that continued to attract attention but for various reasons, the principal of which was the general financial stringency which existed during the quinquennium, no change in this direction was made.

Forest Engineering Service.

5. Towards the close of the last quinquennium proposals were formulated for the formation of a Forest Engineering Service and the sanction of the Secretary of State to the scheme was received in 1919. Seventeen recruits concluded their training in America and Europe and, of these, sixteen joined their appointments in India. The term of appointment of the two Consulting Forest Engineers referred to in the last quinquennial review expired during the period under report but one of them was re-employed as Chief Forest Engineer under the Government of Madras. These two officers accomplished much valuable work but it is to be feared that financial straits and the lack of the provision of funds for considerable capital expenditure, whatever the prospect of heavy returns, will entail delay in carrying out their recommendations.

Education.

6. A class was started at Dharwar, in Bombay, in 1920-21 for training rangers, but, on account of financial stringency, it was abolished in 1922-23. At the request of the local Government, therefore, the Government of India agreed to train, at the Forest College, Dehra Dun, with effect from the 1st April 1922, up to a maximum of 10 ranger students annually from Bombay for the next five years. It was therefore found necessary to increase the sanctioned staff of two Imperial and two Provincial Forest Service Instructors at Dehra Dun for the ranger classes by one additional Imperial and one additional Provincial instructor from the 1st April 1922 and by the same number from the 1st April 1923. Subsequently at the instance of the Government of Madras an arrangement was arrived at which insures that the Dehra Dun College and the Coimbatore College do not compete with each other but co-operate in imparting forest education to ranger students. Dehra Dun will train rangers for the Punjab, North-West Frontier Province, the United Provinces, Bengal and Assam, while the sphere of the Coimbatore College will be Bombay, Central Provinces, Bihar and Orisa, Orissa Feudatory States, Central India States and the States of Hyderabad, Mysore, Travancore and Cochin. Consequently the additional posts referred to above are no longer required.

The standard of instruction given at the Bengal Forest School at Kurseong has been raised gradually and the training has increased the efficiency of the subordinate staff to such an extent that 18 of them have attained the rank of ranger while one has been promoted to the Provincial Forest Service. A new course at the Rangoon University for a degree of B. Sc., in Forestry to provide probationers for the Burma Forest Service was started in 1923. In 1921-22 extensions to the Pyinmana Forest School were completed to allow of two classes, English and Vernacular, of 25 students each. Separate training classes were started in each territorial circle in the United Provinces in 1920 but, chiefly from the necessity for keeping down expenditure, these were suspended towards the end of the quinquennium. In Bombay, vernacular forest classes for training foresters and round-guards were started in 1922-23 the course consisting mainly of practical training in the field.

Retrenchment.

7. The recommendations of the Indian Retrenchment Committee in respect of expenditure on the Forest Department were fully considered during the end of the quinquennial period. The principal result effected was the decision to limit expenditure on the Forest Research Institute and College, Dehra Dun, to Rs. 8,73,000 per annum for 1923-24 and the two following years. The question, which also arose on the Committee's proposals, as to whether the appointment of the Director, Indian Forest Studies in England, should be retained or abolished, pending future arrangements for the training of the Indian Forest recruits, was still under consideration when the quinquennium closed. Similarly the proposals of the Committee, *viz.*, that the control of the Forest Department be vested in a manager with commercial knowledge in the timber industry and that the accounts of the Forest Department be placed on a commercial basis, were also under discussion in 1924. In order to facilitate the disposal of these recommendations a committee was appointed to make recommendations regarding the management of the forests.

directly under the Central Government with a view to the introduction of commercial accounts and to ensuring a source of steady revenue. The report of the committee was submitted at the end of the quinquennium and was still under consideration when the period ended.

Fire protection.

8. The area over which special protection was attempted shows a decrease of about 3 per cent. in 1923-24 as compared with the figure for 1918-19. Small increases appear in four out of five provinces, Madras alone showing a substantial increase of, 592 square miles under this head. In Madras the system of early burning under departmental supervision was introduced for the first time in the Nallamalais in the Kurnool District in 1919-20 and was extended to other districts with much success. The grass is burnt as soon as it is dry enough, the resulting fire being less severe than if it occurred later in the season and doing very little damage. As a result of the adoption of this system in Madras there has been a considerable saving in the expenditure under fire protection which fell from Rs. 1,19,994 in 1918-19 to Rs. 59,929 in 1923-24. The figures for the other provinces show a total decrease of 3,274 square miles, the principal of these occurring in Burma, 1,202 square miles, Central Provinces, 1,137 square miles and Bombay 577. The decrease in Burma was due to the definite change of policy in regard to fire protection which, briefly stated, is to protect from fire only areas, mainly those under regeneration, where it is definitely known that such protection will be beneficial. The area under systematic protection was reduced in the Central Provinces by further extensions of early burning. Still better results would have been obtained but for the abnormally dry season experienced and indifference to the necessity for protection on the part of the people, who rarely rendered prompt assistance in extinguishing fires. In Bombay the decrease is attributed to the exclusion of large areas immune from fire for which no special measures against fire were necessary. The average success of area attempted throughout India, 93·2 per cent., is about the same as the figure for the previous quinquennium (*i.e.*, 95·5) though, as pointed out in the last review, the reliability of the figures is again often open to doubt and the nature of the season has, more often than not, more to do with the measure of failure or success than the protective methods adopted.

Grazing.

9. During the year 1923-24 over 13,300,000 animals were provided with grazing in State forests of all classes and out of this number no less than 4,800,000 grazed free. The figures for 1918-19 were 13,300,000 (5,300,000 free) and for 1914-15 14,300,000 (4,500,000 free). The improvement mentioned in the last review as regards the number of goats and sheep admitted to the forests has unfortunately not been maintained as there has been an increase of nearly 500,000 over the figure for 1918-19. There is nothing of special importance to record under this head, the figures quoted merely going to show that the forests as a whole have as yet obtained little relief from this heavy burden. In Madras with the extension of the forest village and *panchayat* (village council) systems, the villagers have begun to evince interest in the conservancy and improvement of the grazing grounds adjacent to villages. The slight increase reported from Madras was chiefly due to grazing concessions allowed in the closing year of the quinquennium in certain districts on account of the unfavourable season. The average grazing incidence in the Presidency during the last year of the period worked out to 4·59 acres per animal. In Burma the incidence of grazing in reserved forests was not serious except in the dry zone. Grazing is however a distinct menace in areas under regeneration though, it is understood, that the measures taken against it in such cases are sufficient.

Afforestation.

10. Good progress has been made in the important work of afforesting denuded ravine lands in the United Provinces and mention should also be made of the attempts undertaken to reclaim certain areas in the Punjab. During the quinquennium the area of plantations in the United Provinces increased from 3,100 to 10,000 acres, the cost of afforestation being Rs. 56 per acre in 1917-18, Rs. 76 in

1920-21 and thereafter Rs. 59. The work has been extended to Agra, Jalaun, Cawnpore, Unao and Aligarh districts. Owing to financial stringency no special effort was made to extend the scope of the work but the ability to afforest ordinary ravine and waste land having been demonstrated extensions will present no difficulty. Many private persons in the United Provinces have become interested in this work and the division already supplies 44,000 maunds of grass, most of which is used by the local population. The sale of firewood has also commenced on a small scale and 42,000 cubic feet were disposed of in 1923-24. In the Punjab the results of reclamation work over 615 acres was promising. The experience gained will be of considerable value in extending such work to the Hoshiarpur Siwaliks and the eroded hill sides in the Ambala and Gurgaon districts.

Plantations.

Plantation work continues to make good progress in many provinces, the figures for 1923-24 being (*a*) regular plantations 97,935 acres; (*b*) Taungyas 1,26,742 acres, or a total of 2,24,677 acres, as against 63,568 acres, 94,446 acres, and 1,58,014 acres, respectively, in 1918-19, the last year of the last quinquennium. The cost of the operations during the quinquennium worked out at Rs. 2·07 per acre as compared with Rs. 1·63 per acre for the last quinquennial period.

In the Punjab the total area sown in the new irrigated plantations at the commencement of the period was 6,123 acres. This figure rose to 13,320 acres by the end of 1923-24. Up to the end of the quinquennium the total expenditure incurred on the four plantations in existence amounted to Rs. 6,27,157 and the total revenue derived from them to Rs. 18,57,359, the revenue being obtained partly from temporary cultivation on the unplanted portions. The area of plantations in Burma increased from 82,049 acres to 1,15,539 acres during the period, the increase being chiefly in the Pegu Yoma reserves. In the Andamans 500·5 acres of rubber plantations were handed over to the Settlement, whilst in Assam no further extensions were made to the rubber plantations in the Darrang and Kamrup districts, owing, in the latter case, to the fact that the plantations are now of no commercial value and there is no prospect of tapping in the future. The extension of the *taungya* method is encouraging and is proving of much benefit to those local Governments who have decided to introduce it. The adoption of this method, combined with careful work and continual supervision, has raised the standard of plantation work very greatly during the period under review.

Exploitation and commercial development.

Communications and buildings.

11. A satisfactory feature of forest administration during the quinquennium has been the useful work that has been carried out in this connection, the average expenditure for the five years under review working out at Rs. 33·28 lakhs per annum against an average of Rs. 17·44 lakhs for the quinquennium ending 1918-19. The construction of numerous forest roads has been undertaken, ropeways and tramways have continued to be made more use of and much has been accomplished in the erection of quarters for subordinates and rest houses for inspecting officers. While the work carried out during the period indicates progress in the improvement of communications and transport facilities generally the continued financial stringency caused the postponement of many profitable projects which in normal times would have been sanctioned. The improvement of tanks and the construction of wells also received considerable attention. The expenditure, such as it is, has been heavy but the necessity for suitable accommodation in the interests of the staff has been amply demonstrated, while the extension of road communication is the main line by which forest development can advance. It is obviously difficult to show immediate profits from such works but it should be borne in mind that a road made in a forest tract almost always proves to be of the greatest use not only to Government as the owner of the forest, but also to the villagers of the neighbourhood.

Outturn of forest produce.

12. The average annual outturn of timber and fuel from all sources during the quinquennium under review was 34,06,40,000 cubic feet against an average of 30,72,00,000 cubic feet per annum attained in the previous quinquennial

period. The highest figure ever attained under this head occurred in 1921-22 when a total of 36,13,83,000 cubic feet was reached, the year 1923-24 coming next with 35,36,90,000 cubic feet. The figures quoted for 1921-22 and 1923-24 represent respectively 2·3 and 2·4 cubic feet per acre of all classes of forests. For reserved forests only the yield in 1923-24 was 3·7 cubic feet per acre as compared with 3·3 cubic feet per acre in 1918-19 the last year of the last quinquennium. In this connection it is interesting to note that the year 1921-22 was marked by a phenomenal output of teak in Burma, *viz.*, 600,000 tons (30,000,000 cubic feet) which was more than 74 per cent. above the average annual output of the preceding quinquennium. With the teak output of the year the revenue in Burma soared to Rs. 2,21,16,786 and the surplus to Rs. 1,30,33,692. The total outturn for the five years amounted to 2,476,849 tons, an increase of 751,000 tons or 44 per cent. over the output of the previous quinquennium.

The results on the whole, considering the general trade depression, are most satisfactory and point to more intensive working of the forests and to better exploitation. High as the figures quoted above appear to be there can be no doubt that the forests are capable of producing a higher yield, except as regards teak in Burma, and this result can only be achieved by the employment of better methods of extraction than have been followed in the past. There is however reason to believe that this side of the work is engaging the earnest attention of the various local Governments and that even more satisfactory results than are now reported are likely to be obtained in the near future.

The figures for the quinquennium also show that in 1923-24 the ratio of timber extracted by Government agency to that removed by purchasers was 5 to 29 compared with a ratio of 5 to 27 in the year 1919-20. During the period the outturn removed by Government agency rose by 41 per cent. whilst that removed by purchasers increased by 19 per cent.

Timber and fuel to the value of Rs. 11,140 lakhs and minor products, including bamboos and grass, valued at Rs. 375 lakhs were removed by purchasers during the period. For the quinquennium ending 1918-19, the figures were Rs. 10,190 lakhs and Rs. 355 lakhs respectively.

Agencies for the sale of timber.

13. The agreement with Messrs. Martin and Company, the Government Agents for the sale of Indian timber in Calcutta, was renewed for a further period of 3 years from the 1st November 1921, and was still in force when the quinquennium closed. Messrs. W. W. Howard Brothers and Company continued to act as sole Agents for the sale of Government timber in London and during the period consignments were regularly sent to England for disposal. The principal consignors for both Agencies were the Andamans and Burma. At the close of the period, however, the shipment of teak from Burma was discontinued on the representation of the teak firms. The results of the shipments showed that whilst there were prospects of improving the prices of the better quality of timber by consignments to Europe, there was little hope of finding a market for the poorer grades. In the case of timber other than teak it was found, in Burma, that much spade work would still be necessary to establish a market. As in the case of teak the standard of the European market is so high as to render only a small proportion of the output acceptable in the round and greater success would be possible with shipment of beams and scantlings to specified sizes. Apart from this however it is satisfactory to observe that the various local Governments utilize the services of both agencies as occasion arises. There is little doubt that the policy of retaining the services of the firms concerned has proved of the greatest assistance in making better known to the outside world the value of hitherto unknown timbers.

The total value of the timbers supplied to Messrs. Howard Brothers during the last years of the quinquennium had not been definitely ascertained when the period closed but it is a great satisfaction to notice that in 1921-22 alone sales were affected amounting to £ 73,000. The total sales from Messrs. Martin and Company during the quinquennium amounted to Rs. 20,46,000.

Forest Management.

Working Plans.

14.

Period ending June 30th.*	Area under working plans at the end of last year of the period.	Increase or decrease during the quinquennium.
	Square miles.	Square miles.
1889	912	..
1894	10,279	+9,367
1899	21,620	+11,341
1904	34,222	+12,602
1909	48,104	+13,882
1914	53,926	+5,822
1919	60,670	6,744
1924	59,566	— 1,104

The statement hardly conveys the whole truth. Most provinces show an increase in the area under working plans. The decrease is accounted for by five provinces, the Punjab, Assam, Central Provinces, the North-West Frontier Province and Madras. In the Punjab the following decreases took place :—*Jagir* forests were excluded during the revision of the Kangra Working Plan, certain areas for which the working plans were not wanted were excluded, and 50 square miles for which a revised plan is under preparation were also excluded. In Assam large exclusions took place in the Garo Hills, Sibsagar and Goalpara. In the Central Provinces the South Raipur Working Plan has been excluded because it had never been sanctioned. In Madras the decrease is caused by recomputation of areas.

Bengal, the United Provinces, Burma, Bihar and Orissa and the North-West Frontier Province have all done a large amount of work on plans during the quinquennium.

In almost all provinces most of the working plans are of fairly recent date : even in a large province like Burma the oldest plans are 20 years old and there are very few as old as that. The oldest plans are in the Central Provinces, some of these being 30 years old, and on the whole the Central Provinces plans are not up to date. In Burma the selection system, which was the main feature of all the old teak working plans, was subjected to much criticism, and concentrated working was strongly advocated. There was a tendency to adopt the latter without sufficient consideration, but concentrated methods are now accepted for the areas where extraction of species other than teak is, or can be made, a practical and paying proposition, and selection methods accompanied by improvement fellings will continue over the other areas.

The appointment of special working plans conservators in Burma and the United Provinces has undoubtedly improved the standard greatly in those provinces.

* In 1924 the quinquennial period ended March 31st and not June 30th.

15. System of Management.

Method of treatment.	1913-14*		1918-19.†		1923-24.‡	
	Area square miles.	Per cent. of total area under each method of treatment.	Area square miles.	Per cent. of total area under each method of treatment.	Area square miles.	Per cent. of total area under each method of treatment.
Simple Coppice	161	1	1,009	2	1,858	3
Coppice with standards	3,235	8	7,060	13	6,855	12
Regular High Forest—						
(*a*) Clear felled (includes taungya)	14	0	263	0	5,224	9
(*b*) Shelterwood system (includes groups, strips, etc.).	150	0	552	1	2,311	4
Irregular High Forest—						
(*a*) Selection system (includes group selection, selection *cum* improvement, etc.).	15,897	41	16,009	30	18,149	30
(*b*) Improvement fellings ..	8,880	23	12,254	23	9,654	16
(*x*) Unallotted	10,432	27	15,955	31	15,515	26
Total ..	38,769	100	53,102	100	59,566	100

The introduction of the Bombay figures would seem to render comparison with the previous period impossible, but, although it renders a comparison of the *actual* figures impossible, an analysis showed that the inclusion of Bombay has not materially affected the *percentage* figures, except under clear fellings, which seem to have risen from 0 to 9 per cent., whereas excluding Bombay they have only risen from 0 to 4 per cent.

This table shows much better than that in the previous paragraph the great progress in working plans during the quinquennium. It is only fair to say that, though the figures show an increase in regular high forest from 1 to 13 per cent., the forest is not actually yet regular—that will take years—but it does literally mean that 13 per cent. of the forests are now under working plans for regular high forests and are therefore in process of conversion to regular forest.

The decrease in the percentage under improvement fellings is also gratifying. While nobody pretends that the excellence of management can really be judged by the percentage under regular high forest, coppice, or similar systems, the names selection, improvement, etc., are in India really often euphemisms for no system at all, and the increase in regular high forest is almost synonymous with increase in scientific management. The following small table shows the

(*x*) Includes forests for which working plans have been prepared but which are not at present under any definite system of working, *e.g.*, unworkable areas including those considered to be inaccessible, included in working plans, areas devoted to grazing, etc.

* Excludes Madras and Bombay.

† Includes Madras but excludes Bombay.

‡ Includes both Madras and Bombay.

increase in percentage for areas under regular high forest in certain provinces during the quinquennium :—

Province.	Percentage under regular high forests.	
	1919.	1924.
Bengal	under 1	16
United Provinces	8	30
Punjab	under 1	17
Burma	3	10
Bihar and Orissa	under 1	13
North-West Frontier Province	1	35

The Assam forests are still entirely managed under improvement fellings.

Punchayat and Forest Village Systems.

16. An important feature of the quinquennium was the development of the forest *panchayat* system in Madras. A special staff consisting of a forest punchayat officer and six panchayat inspectors was appointed and their operations were confined to eleven of the principal districts of the Presidency. At the close of the period under review 858 square miles of forests had been placed under panchayat management and there were also 38 panchayats administering an area of 124 square miles in districts not under the control of the special staff. The spread of the movement has rendered possible the abolition of two ranges, one in the Bellary district and the other in Cuddapah. As the further expansion of the system is beyond the capacity of the existing staff, proposals for increasing the staff and extending the sphere of its activities are under consideration. The Punjab Government also approved of a scheme for the constitution in selected areas in the Western Circle, of village panchayats which were to take over the protection of the forests of their respective areas and themselves issue grazing permits to the villagers without the intervention of the Forest staff, the panchayat paying to the Department a fixed sum on account of the grazing lease. The scheme however has not so far proved a success.

The constitution of forest villages, with the object of increasing labour for planting and forest work generally, has grown apace during the quinquennium. The matter suffered from undue enthusiasm at first and there have been a few failures but the policy has now settled down on systematic lines. The system has been introduced more or less in all provinces and many new settlements were successfully established during the period.

Exhibitions.

17. The Government of India decided to participate in the British Empire Exhibition at Wembley in 1924 by the contribution of forest exhibits. A sum of £20,000 was sanctioned for the purpose and arrangements were in train at the end of the quinquennium to make the exhibit as great a success as possible. The preparation of the exhibits and all other preliminary arrangements in London were left in the hands of Messrs. Howard Brothers, the Government Agents for the sale of Indian timber in England. Burma had a separate exhibit.

Financial results.

18. The following statement shows the growth of forest revenue and expenditure during the past 60 years, the figures in all cases being the annual averages

of the quinquennial periods.

Quinquennial period.	Gross revenue (Average per annum).	Expenditure (Average per annum).	Surplus (Average per annum).	Percentage of surplus to gross revenue.
	Lakhs.	Lakhs.	Lakhs.	Lakhs.
1864-65 to 1868-69	37·4	23·8	13·6	36·4
1869-70 to 1873-74	56·3	39·3	17·0	30·2
1874-75 to 1878-79	66·6	45·8	20·8	31·2
1879-80 to 1883-84	88·2	56·1	32·1	36·4
1884-85 to 1888-89	116·7	74·3	42·4	36·3
1889-90 to 1893-94	159·5	86·0	73·5	46·1
1894-95 to 1898-99	177·2	98·0	79·2	44·7
1899-00 to 1903-04	196·6	112·7	83·9	42·7
1904-05 to 1908-09	257·0	141·0	116·0	45·1
1909-10 to 1913-14	296·0	163·7	132·3	44·7
1914-15 to 1918-19	371·3	211·1	160·0	43·0
1919-20 to 1923-24	551·7	367·1	184·6	33 5

The gross revenue and surplus were Rs. 468·2 lakhs and Rs. 179·4 lakhs in 1918-19 and Rs. 544·9 lakhs and Rs. 195·6 lakhs in 1923-24 respectively.

The surplus rose from Rs. 1,79,42,726 in 1918-19 to Rs. 2,19,12,540 in 1919-20 but during the next three years it steadily decreased, rising again to Rs. 1,94,60,547 during the last year of the quinquennium. The surplus in 1923-24 represents an average of 2·1 annas per acre of all classes of forest against 1·8 annas in 1918-19. The total surplus rose from Rs. 1,79,42,726 in 1918-19 to Rs. 1,95,60,943 in 1923-24.

Financially the Forest Department has had during the quinquennium to undergo a severe strain, ever since the general slump set in following on the short-lived post-war boom in trade. But development solely with a view to increase the resources and earning capacity of the forests has never been lost sight of. Judging by the perceptible improvement in the general financial results all round it is confidently expected that the improvements initiated in this quinquennial period will produce much better results when the slump ends.

19. In the last quinquennial review it was noted that proposals for greatly enlarging the scope of the work of the Forest Research Institute had received the sanction of the Secretary of State after the close of the period under report. Research.

General.

Some 1,300 acres of land were acquired about 3 miles from Dehra Dun and were taken possession of in 1920. The first work undertaken on the site was the construction of workshops for the Economic Branch and these were completed in 1923. The machinery was installed in 1923-24 and work in all the sections began before the end of the period under review. Plans for the large main building were sanctioned and the preliminary work in connection with its erection was done. During the quinquennium all the branches continued their work at the Research Institute at Chandbagh, but when the new building is complete it will be possible to undertake forest research on a very much larger and more elaborate scale.

A list of the publications of the Forest Research Institute during the period under review is given at the end of this report.

20. It was reported in the last quinquennial report that problems had been attacked from a new point of view and that previous ideas had in some cases been revolutionised. During the present quinquennium the previous rather nebulous ideas have been crystallised into tangible systems.

Silviculture.

The most important new policy is the appointment of local silviculturists in Bengal, the United Provinces, Burma, Bihar and Orissa, the Central Provinces and Madras. These officers have not in all cases continued to hold their posts very long and good results in research must depend on continuity of effort.

Perhaps the most striking silvicultural achievement is the systematic transmutation of the destructive *taungya* cultivation into a scientific silvicultural system. This adaptation of agriculture to forestry (originally used in India by Sir Dietrich Brandis) is now a common mode of management in Bengal and Burma, and is spreading either experimentally or actually to parts of most other provinces.

The problem of natural *sal* (*Shorea robusta*) regeneration from seed is still unsolved. The United Provinces and Bihar and Orissa have certainly made progress but it is a subject not yet fully understood. Its artificial regeneration has however been solved in places where conditions are suitable. The artificial regeneration of *sal* is very largely a labour problem and the same may be said regarding many other species. One great problem that remains to be solved is the regeneration of the magnificent evergreen forests of Assam, Burma, and the West Coast. These huge areas contain enormous quantities of valuable timbers but their exploitation must to a large extent be conditional on the proper replacement of the forest and forest officers have so far been able to do little to arrange for this. The extremely perishable nature of Dipterocarp seed is one of the important factors.

The quinquennium saw the publication of the first *sal* yield table which was largely used in working plan revision in the United Provinces. Statistical work has so progressed that shortly after the close of the period complete statistical data for *sal* will be ready both on standard and on commercial definitions of timber, and data for *chir* (*Pinus longifol'a*) deodar (*Cedrus Deodara*), teak (*Tectona grandis*) and other species are nearing completion. The publication of these data will materially alter working plans and the accuracy of timber estimates for sales. The number of permanent, properly laid out, sample plots is increasing rapidly throughout India and these plots will in the future provide us with a large and very valuable mass of data.

The quinquennium has also seen the issue of much other silvicultural literature. Troop's "Silviculture of Indian Trees" appeared, and the creation of local silviculturists has stimulated publication. Useful works on silviculture or management have been published, principally by Bengal, the United Provinces, Burma and the Central Institute.

Reference is invited to these various publications and the annual Forest Research reports. It is no exaggeration to say that, short though five years is in the life of a tree, the end of the present quinquennium leaves us an appreciable step forward along the path of knowledge.

21. The expansion of the branch of forest economy has been one of the chief reasons for the acquisition of the new site and the establishment of the new workshops. Mr. Pearson, Forest Economist, went to America and England in 1919 to investigate forest research in those countries, and to obtain the necessary machinery to start the workshops at the new site, and a great part of his time and that of his staff was occupied during the quinquennium in establishing and developing research in forest economy on the new expanded lines. Six new sections were sanctioned by the Secretary of State, *viz.*, Wood Technology, Timber Seasoning, Timber Testing, Wood Preservation, Minor Forest Products and Paper Pulp.

Forest Economy.

Dr. Brown of the Syracuse University, United States of America, spent some years at Dehra when he investigated the structures of Indian timber. He has prepared an elementary manual of Wood Technology for the forest students, and has continued this work in America, after he returned to his University, with a view to producing, in collaboration with Mr. Pearson, a more elaborate work on a similar subject.

For the Seasoning Section two Sturtevant and three Tiemann kilns were erected and a great deal of experimental work has been done with these kilns with a view to discovering the best methods of seasoning of important Indian timbers. Considerable progress has also been made in the air seasoning of these timbers.

In the Timber Testing Section much progress has been made and at the end of the period under report well equipped timber-testing shops have been established, containing modern machines for testing timber in all the various ways that have been worked out in the United States of America, Canada, and Great Britain.

For Wood Preservation a large modern experimental preservation plant has been installed and many timbers have been treated with a number of different preservatives. Elaborate records are being maintained showing moisture content, the quantities of preservatives taken up and other details, which are required to determine the value of the preservation of timber for use in India. A large number of these experiments have been carried out with railway sleepers, as very large quantities of Indian timbers are used for this purpose, and this is an equiry of the utmost economic importance.

In the section of Minor Forest Products a certain amount of progress was made in the investigation of numerous forest products and the dissemination of information to enquirers, but the progress made in this section was by no means all that might be desired, because it was found necessary owing to financial stringency to dispense with the services of a special officer.

The Paper Pulp Section has continued to do excellent work in experimenting with grasses and bamboos for the manufacture of pulp. There is no doubt whatever that Indian and Burmese bamboos can produce excellent pulp at a cheap rate, and the development of the industry merely awaits the formation of companies adequately equipped with funds and technical knowledge to make the industry a success.

Considerable additions have been received for the timber and economic museums and the completion of the new building will give an opportunity for the adequate display of these products as this is now quite impossible in the present Institute at Chandbagh.

During the period under review the Economic Branch has kept in constant touch with the railways and other commercial interests which are specially interested in the use of the forest products of India, and the enquiries received, not only from India but from other parts of the world, give striking evidence of the valuable work that the Economic Branch has done under the able guidance of Mr. Pearson.

A Tan Expert was employed for some time during the period under report and much valuable information regarding the tan values of Indian trees was collected. These were principally chestnuts, oaks, Dipterocarps and the trees of the mangrove forests of India and Burma. Mr. Pilgrim, who was in charge of the tannin investigations, relinquished his duties in June 1923 after being connected with the Institute for 8 years.

Wood working has been much developed at the Institute and many most useful investigations in the properties and uses of Indian timbers have been completed. Thorough training has been given to a number of carpenters and much progress has been made in this line of investigation.

In the Mechanical sub-section also much useful work was done in erecting machines and maintaining the boilers, electric plant and machinery in good order. Repairs are done on the spot and the workshop can undertake the manufacture of bolts, washers and many other minor fittings required.

Forest Botany.

22. The work done by the Forest Botanist during the period under report has embraced many fields of activity.

Systematic Botany has made great strides at the Institute and the herbarium has been very greatly enlarged. Much work was done on the identification of specimens, both for the officers of the Institute and for forest officers all over India, and the help given by the Forest Botanist to the Economic Branch has been most valuable.

A considerable number of investigations were carried on regarding that perennial puzzle, spike disease in sandal-wood, but it is not possible yet to say that the enquiry is by any means concluded. The Forest Botanist suggested that it is possible that spike is caused by a very dilute solution of an Enzyme excreted by certain fungi which may only be able to enter the main water and sap currents in the plant when the damage is unusually severe or prolonged, when the plant has been weakened by other factors or under other special conditions. Such a hypothesis would harmonise with practically all the theories which so far have been advanced regarding this disease.

The Forest Botanist continued his investigations regarding regeneration of *Sal* and a great deal of information on this subject has been recorded. A summary of most of the experimental work carried out up-to-date on the factors influencing the development of *Sal* seedlings was published during the year 1921.

Progress in mycology has not been rapid, as up-to-date it has not been found possible to engage a qualified mycologist, but a certain amount of useful work was done with regard to certain fungi which attack *Sal*, Dalbergia Sissoo, deodar and one or two other important species.

The number of floras for various parts of India is gradually increasing and this important branch of the work of the Forest Botanist received a considerable amount of attention.

Forest Entomolgy.

23. During the past 5 years a great advance has taken place in the study of forest entomology at the Institute. The Forest Entomologist has developed his work on broad lines, and the systematic study of insects important in the forest has resulted in a very great increase in our knowledge of Indian entomology generally. Many thousands of insects which are found in the forest have been collected, or bred, and examined and the study of their life histories has made a very great advance. The importance of correlating the study of insects which damage forests with that of other insects whose life history is intimately connected with them has received full recognition.

One of the most important enquiries has been concerned with insects which damage the *Sal* tree. This is a very important wood in the United Provinces and it is easier for the Entomological Branch to study *Sal* in detail than to study any other tree. The wood borer, Hoplocerambyx spinicornis, has been extensively investigated, and as remarked by the Forest Entomologist :—

> " The entomological side of the problem starts with the application of general principles based on the forest entomology of Europe and North America, which soon give place to new conceptions arising from acquaintance with local conditions. The control measures suggested are mainly theoretical, and, as they necessarily involve extraordinary expenditure or departure from routine, are adopted by the departmental executive with reluctance. If applied thoroughly the results are measurable with great difficulty, and, finally, if the control measures can be demonstrated as successful, the cost of application and the value of the damage prevented cannot be calculated."

In a subsequent note the Forest Entomologist was more hopeful as to the possibility of calculating these figures. He states that in a certain forest this insect was responsible for a depreciation in the value of *Sal* timber varying between 2 as. 7 p. and 4 as. 10 p. per c. ft. In the years 1916-19, during which the damage was uncontrolled over 7 miles of *Sal* forest, a million c. ft. of timber were damaged, resulting in a loss of 2½ lakhs of rupees. In the period 1920-23, during which remedies were applied, the loss has been reduced to a total of half a lakh and to Rs. 7,000 in the year 1923. It is probable that a loss of 1 to 3 lakhs has been prevented and there was a considerable profit on the timber sales. This is the first occasion on which the large scale control of a forest insect in India has been shown to be a profitable operation.

As regards damage done to teak, a certain amount of investigation was carried out as regards the Beehole Borer in burma, and it is very desirable, in view of the enormous damage caused by this moth, that more adequate measures should be

taken to ensure a complete enquiry. Owing to paucity of staff, however, little was done in the years under report. Insects which eat the leaves of teak also received a considerable amount of attention, and this enquiry is in progress, particularly at Nilambur in Madras.

When opportunities occurred the damage done by various insects in the coniferous forests of the Himalayas was also investigated but considerably greater attention will be paid to this when staff allows.

The evergreen forests of Assam were also studied and it was found that Shothole borers were the principal factor causing damage in felled timber.

Progress on the systematic side of forest entomology was a very satisfactory feature during the period. The foundations of a reliable reference collection have been laid on authoritative determinations, provision has been made for the permanent preservation of part of it, satisfactory relations have been established with many foreign specialists and institutions and many of the thousands of unnamed specimens have now been named.

A certain amount of work was done on lac, and this extremely important product is receiving a great deal of attention.

Other minor investigations included insects damaging Cryptomeria, Alder, Eucalyptus, Bucklandia, Oak, Gmelina, etc.

The museum, like the economic museum, is now so full that an adequate display cannot be made until the new building is ready.

Forest Chemistry.

24. Generally speaking the work carried out by the Chemical Branch during the 5 years ending in 1924 was concerned with investigations into gums, resins, oleo-resins and essential oils.

The turpentine from Pinus longifolia was further examined and its constitution reported on. Study of the turpentine derived from all the species of pine occurring in India has now been completed, and the results have been published in the Forest Records.

Oils from grasses, such as Andropogon, were analysed, and other plants which yield oil from various parts were also investigated. These included the leaves of the Himalayan Cypress, leaves of Himalayan Juniper, root-bark of Morinda, leaves of Skimmia, seeds of Zanthoxylum, Deodar wood-oil, Camphor leaf-oil from Formosan Camphor grown at Dehra, seeds of Garcinia, leaves of blue pine, have been examined and a number of reports published. The list will be found at the end of this report.

The Forest Chemist has also assisted other branches in subjects such as the constituents of wood preservatives and the valuable properties in certain minor products.

R. B. EWBANK,

Officiating Secretary to the Government of India.

M136EHL

List of Forest Publications issued by the Forest Research Institute, Dehra Dun, during the 5 years period ending 31st March 1924.

1.—BULLETINS (NEW SERIES).

No.				Rs.	A.	P.
38.—The Construction of Calcareous Opercula by Longicorn Larvæ of the Group *Cerambycini* by C. F. C. Beeson.				0	3	0
39.—Note on Hellong Timber (*Dipterocarpus pilosus*, Roxb) by R. S. Pearson .				0	4	0
40.—Note on Pyinma, Ajhar or Jarul Wood (*Lagerstræmia Flos Reginæ*, Retz.), by the same author.				0	6	0
41.—Note on Weights of Seeds, by S. H. Howard				0	3	0
42.—Note on Haldu (*Adina cordifolia*, Hook, f.) by C. E. C. Cox . . .				0	8	0
43.—Note on *Odina Wodier*, Roxb., by the same author				0	8	0
44.—Note on Semal or Cotton Wood, by the same author				0	10	0
45.—Note on the Miscellaneous Forests of the Kumaon Bhaber, by E. A. Smythies.				1	0	0
46.—Rate of Growth of Bengal Sal, I Quality, by S. H. Howard . . .				1	0	0
47.—Volume Tables and Form Factor Tables for Sal (*Shorea robusta*) by the same author.				0	6	0
48.—Note on Kindal (*Terminalia paniculata*), by R. S. Pearson . . .				0	6	0
49.—Note on Thingan (*Hopœ odorata, Roxb.*), by A. Rodger				0	7	0
50.—Note on Gurjan or Kanyin, by W. A. Robertson				0	4	0
51.—An Investigation of certain Factors concerning the Resin Tapping Industry in *Pinus Longifolia*, by H. G. Champion.				0	8	0
52.—Classification of Thinnings				0	6	0
53.—Summary of results of Treated and Untreated Experimental Sleepers laid in the various Railway Systems of India, by R. S. Pearson.				0	6	0
54.—Dry Slides and Flumes (Wet Slides), by C. G. Rogers				3	12	0
55.—Animal Haulage, Caterpillar Tractors and Portable Sawmills, by the same author.				7	0	0

2.—RECORDS.

Vol. VII,	Part	III.—Note on *Hopea canarensis*, Hole, by R. S. Hole .	0	3	0
„ VII,	„	IV.—Note on *Ixora Butterwickii*, Hole, by the same author .	0	3	0
„ VII,	„	V.—Notes on the Larvæ and Life Histories of Prionine Beetles, Coleoptera, Cerambycidæ, Prionine, by C. F. C. Beeson.	0	8	0
„ VII,	„	VI.—Note on the Mechanical Strength and Seasoning Properties of *Shorea robusta* (Sal) Timber by R. S. Pearson.	0	8	0
„ VII,	„	VII.—The Life History of the Toon Shoot and Fruit Borer, *Hypsipyla robusta*, Moore, with suggestions for its control, by C. F. C. Beeson.	2	4	0
„ VII,	„	VIII.—Afforestation of Ravine Lands in the Etawah District, United Provinces, by E. A. Smythies.	2	0	0
„ VIII,	„	I.—Report on Lac and Shellac, by H. A. F. Lindsay and C. M. Harlow.	2	12	0
„ VIII,	„	II.—The Regeneration of Sal (*Shorea robusta*) Forests, by R. S. Hole.	2	2	0
„ VIII,	„	III.—Note on the Bee Hole Borer of Teak, by C. F. C. Beeson	3	0	0
„ VIII,	„	IV.—Notes on Artificial Regeneration in Bengal, by A. K. Glasson, P. T. Russell, E. O. Shebbeare, and L. E. S. Teague.	2	0	0
„ VIII,	„	V.—Note on the Essential Oil from the leaves of *Abies Pindrow*, Spach, by J. L. Simonsen.	2	0	0
„ IX,	„	I.—Results of Antiseptic Treatment of Sleepers, by R. S. Pearson.	2	0	0
„ IX,	„	II.—On Chalcidoidea (Mainly bred at Dehra Dun from pests of *Sal*, *Toon*, *Chir* and *Sundri*) by James Waterston.	1	2	0
„ IX,	„	III.—Oils and Fats from the Seeds of Indian Forest Trees, Parts I—V, by M. Gopal Rau and J. L. Simonsen.	0	3	0
„ IX,	„	IV.—The Constituents of some Indian Essential Oils, Parts I—VII, by J. L. Simonsen and M. Gopal Rau.	0	6	0
„ IX,	„	V.—Further Experiments in the Air Seasoning of Indian Timbers and general recommendations as to Seasoning Methods, by C. V. Sweet with chapter on "Damage to Timber by Insects," by C. F. C. Beeson.	2	8	0

2.—RECORDS—*contd.*

			Rs.	A.	P.
Vol. IX,	Part	VI.—The Constituents of some Indian Essential Oils, Part VIII. The Essential Oil from the gum-oleo-resin of *Boswellia serrata* (Roxb), by J. L. Simonsen.	0	3	0
„ IX,	„	VII.—Note on the Possibilities of Camphor Cultivation from *Cinnamomum Camphora* in Northern India, by S. H. Howard, W. A. Robertson and J. L. Simonsen.	1	4	0
„ IX,	„	VIII.—The Constituents of some Indian Essential Oils, Parts IX and X, by J. L. Simonsen.	0	4	6
„ IX,	„	IX.—Note on the Work of Extraction of Broad Gauge Sleepers from Nepal, by J. V. Collier.	1	11	0
„ X,	„	I.—The Constituents of some Indian Essential Oils, Part XI. The Essential Oil from the leaves of *Cupressus torulosa*, Don, by J. L. Simonsen.	0	3	0
„ X,	„	II.—Oils and Fats from the Seeds of Indian Forest Plants, Part VI. The Oil from the Seeds of *Aleurites montana*, Wils., by R. S. Parker, M. Gopal Rau, W. A. Robertson and J. L. Simonsen, and Part VII. The Oil from the Seeds of *Salvia plebeia*, R. Br., by M. Gopal Rau and J. L. Simonsen.	0	9	0
„ X,	„	III.—A Sal Yield Table for the United Provinces, by E. A. Smythies and S. H. Howard.	1	5	0
„ X,	„	IV.—The Constituents of some Indian Essential Oils, Part XII. The Essential Oil from the Oleoresin of *Pinus Merkusii*, by J. L. Simonsen.	0	2	0
„ X,	„	V.—Analysis of the Tanning Properties of certain Burma *Lagerstræmias*, by E. Pasupati. Reported by J. A. Pilgrim.	0	7	0
„ X,	„	VI.—General Volume Tables for Sal (*Shorea robusta*), by S. H. Howard.	1	7	0
„ X,	„	VII.—Interim Report on the Work under Projects No. 0 and 1, by L. N. Seaman.	0	9	0

3.—OTHER PUBLICATIONS.

Progress Report of the Forest Research Institute, Dehra Dun, for the year 1918-19.			
Progress Report of Forest Research Work in India (including the Administration Report of the Forest Research Institute, Dehra Dun), for the year 1919-20.	0	9	0
Progress Report of Forest Research Work in India (including the Administration Report of the Forest Research Institute, Dehra Dun), for the year 1920-21.	2	0	0
Progress Report of Forest Research Work in India (including the Administration Report of the Forest Research Institute, Dehra Dun), for the year 1921-22.	2	0	0
Progress Report of Forest Research Work in India (including the Administration Report of the Forest Research Institute, Dehra Dun), for the year 1922-23.	2	12	0
Progress Report of the Imperial Forest College, Dehra Dun, for the year 1918-1919.	1	6	0
Progress Report of the Imperial Forest College, Dehra Dun, for the year 1919-1920.	1	6	0
Progress Report of the Imperial Forest College, Dehra Dun, for the year 1920-1921.	1	14	0
Progress Report of the Imperial Forest College, Dehra Dun, for the year 1921-1922.	1	12	0
Progress Report of the Imperial Forest College, Dehra Dun, for the year 1922-1923.	1	8	0
Forest Research Institute and College Calender, 1919	1	0	0
Forest Research Institute and College Calendar, 1922	2	12	0
Code for the Collection and Tabulation of Statistical Data, by S. H. Howard .	2	0	0
Mechanical, Physical and Structural Properties of Wood grown in India, Project No. 1, by L. N. Seaman.	2	0	0
The methods of preparing Volume and Money Yield Tables for Teak Woods and Volume and Form Factor Tables for Teak Trees, from data collected in the Nilambur Teak Plantations, South Malabar Division, South India, by R. Bourne.	9	0	0
A Forest Flora of the Andaman Islands, by C. E. Parkinson	12	8	0

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STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Bengal	76,822	(*a*) 5,270	(*b*) 1,702	4,183	11,155	14·5	(*a*) Excludes 18 square miles of reserved forests not under the management of the Forest Department. (*b*) Excludes 51 square miles of other protected forests not under the control of the Forest Department.
United Provinces	106,720	(*c*) 7,341	4	41	7,386	6·9	(*c*) Includes 156 square miles of leased forests.
Punjab	97,281	(*d*) 1,653	(*e*) 4,036	(*f*) 507	6,196	6·4	(*d*) Includes 356 square miles of leased forests, but excludes 501 square miles of reserved forests not under the control of the Forest Department.
Burma	243,207*	27,890	..	94,355	122,245	50·3	(*e*) Excludes 377 square miles not under the control of the Forest Department. (*f*) Excludes 1,640 square miles not under the control of the Forest Department.
Bihar and Orissa	82,987	1,754	(*g*) 1,017	7	2,778	3·3	(*g*) Excludes 1,050 square miles not under the control of the Forest Department.
Assam	51,825	5,814	..	15,602	21,416	41·3	
Central Provinces (including Berar).	99,947	(*h*) 19,680	..	..	19,680	19·9	(*h*) Includes 174 square miles of leased Forests.
Coorg	1,582	520	..	..	520	32·9	
North-West Frontier Province.	13,057	(*i*) 236	(*j*)	9	245	1·9	(*i*) Excludes 14 square miles of military and civil reserved forests. (*j*) 121 square miles of civil protected forests are not shown.
Ajmer	2,767	142	(*k*)	..	142	5·1	(*k*) There are only 115 acres of protected forests in Ajmer.
Baluchistan (portions under British Administration).	54,228†	313	..	472	785	1·4	
Andamans and Nicobar	3,143†	82	..	2,122	2,204	70·1	
Madras	143,312	18,956	..	(*l*) 172	19,128	13·3	(*l*) Reserved lands.
Bombay (including Sind)	123,234	(*m*) 13,798	(*n*) 1,172	..	14,970	12·1	(*m*) Excludes 516 square miles in charge of the Revenue Department. (*n*) Excludes 656 square miles in charge of the Revenue Department.
Total 1923-24	1,100,112‡	103,449	7,931	117,470	228,850	20·8	
Total 1922-23	1,100,902‡	100,922	7,238	115,544	223,704	20·3	
„ 1921-22	1,098,341	103,789	7,550	138,165	249,504	22·7	
„ 1920-21	1,082,266	103,491	7,516	139,466	250,473	23·1	
„ 1919-20	1,080,814	103,003	7,941	140,005	250,949	23·2	

* Including 60,593 square miles for the Shan States and Karenni.

† Figures taken from the Census Report of 1921.

‡ Excluding Delhi Province and Pargana Manpur.

STATEMENT II.

Progress made in Forest Settlements during the year 1922-23.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
				Rs.	Rs.	Rs.
Bengal	143	1	..	..	..	..
United Provinces	5	3	2	..	..	..
Punjab	2	..	2	..	..	..
Burma	488	2,822	459	3,873	..	..
Bihar and Orissa	1	51	50	..	..	..
Assam	218	400	4	71	..	..
Central Provinces	..	..	1	..	..	..
Coorg	..	..	..	..	..	..
North-West Frontier Province	..	..	..	..	..	..
Ajmer	..	..	..	..	..	..
Baluchistan	..	313	..	..	..	..
Andamans	..	85	..	..	..	..
Madras	20	151	..	4,068	..	..
Bombay	67	28	149	1,928	..	..
1923-24	944	3,854	667	9,940	..	..
1922-23	478	3,627	629	27,219	..	..
Total 1921-22	480	4,081	489	38,807	..	..
1920-21	758	4,388	315	11,484	1,961	..
1919-20	1,774	3,876	1,982	32,671	..	..

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not repairing artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal	103	1,060	775	1,938	117	1,178	3,233	1,685	7,566
United Provinces . .	41	2,135	9,288	11,464	10	2,892	14,366	7,082	25,125
Punjab	158	846	7,515	8,519	21	1,418	9,958	103	4,085
Burma	175	2,882	14,033	17,090	234	3,140	20,464	4,198	28,079
Bihar and Orissa . .	..	3,134	1,513	4,647	..	361	5,008	25	1,812
Assam	17	1,231	1,209	2,457	22	2,058	4,537	254	5,877
Central Provinces . .	19	8,206	22,443	30,668	213	3,255	34,136	72	15,835
Coorg	..	..	..	480	..	56	536	..	866
North-West Frontier Province.	..	150	627	777	..	139	916	..	884
Ajmer	..	10	233	243	..	158	401	..	301
Baluchistan . . .	..	2	458	460	..	77	537	..	..
Andamans . .	..	..	24	24	33	72	129	..	..
Madras	94	21,599	9,440	31,132	656	2,109	33,897	2,221	4,734
Bombay . . .	43	25,195	14,533	39,771	93	2,826	42,690	313	3,256
Total 1923-24 .	650	66,450	82,091	149,670	1,399	19,739	170,808	15,953	98,420
1922-23 .	403	66,742	82,665	149,809	1,456	19,273	170,547	12,311	1,08,537
1921-22 .	962	67,045	83,123	151,130	1,527	19,870	172,527	31,056	99,918
1920-21 .	922	59,827	90,443	151,192	1,400	19,776	172,368	20,853	87,481
1919-20 .	865	64,505	86,330	151,700	1,564	19,009	172,273	30,306	99,753

STATEMENT IV.

Forest Survey operations from 1st April 1923 to 31st March 1924.

Province.	Forest Surveys.	Nature of Survey Operations. 1" Detail Survey. Area.	1" Detail Survey. Cost rate.	2" Detail Survey. Area.	2" Detail Survey. Cost rate.	4" Detail Survey. Area.	4" Detail Survey. Cost rate.	Total Area of Detail Survey. 1923-24.	Total up to date.	Expenditure of the year including mapping and publishing charges debitable to "Forests."	Remarks.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		Sq. m.	Rs.	Sq. m.	Rs.	Sq. m.	Rs.	Sq. m.	Sq. m.	Rs. A. P.	
Andamans	....	..	..	..	..	..	..	..	527	..	
Assam	Lakhimpur	..	..	..	..	..	..	..	4,978	555 4 0	The area entered under 1-inch detail survey against Sibsagar was surveyed on the ½ inch scale. Cost of surveys not debitable to "Forests."
	Sibsagar	34	10·6	..	..	..	..	34.0			
	Sadiya	132	60·3	..	..	..	..	132.0			
Baluchistan	....	..	..	..	..	..	..	..	227	..	
Bengal	....	..	..	..	..	..	..	..	3,265	..	
Bihar and Orissa	Sambalpur	..	..	..	..	..	..	..	1,805	549 0 0	
	Santhal Parganas	..	..	..	..	..	..	..			
Bombay	Surat	..	..	..	..	..	..	..	12,983	1,166 12 0	
	Nasik West	..	..	..	..	..	..	..			
	Thana East	..	..	..	..	..	..	..			
	Poona	..	..	..	..	..	..	..			
	Kanara East	..	..	..	..	..	..	..			
Burma	Prome	..	..	..	..	..	..	..	21,068	5,11,489 2 0	
	Tharrawady	..	..	..	..	..	..	..			84·3 linear miles of boundaries were traversed. Cost not debitable to "Forests."
	Inscin	..	..	..	..	..	..	..			50 linear miles of boundaries were surveyed with Planetable. Cost not debitable to "Forests."
	Thayetmyo	0·3	59·1	..	..	..	..	0·3			The area entered under 1 inch detail survey was surveyed on ¼-inch scale. Cost not debitable to "Forests."
	Henzada-Ma-ubin	..	..	448·5	139·7	..	..	448·5			Cost of survey debitable to "Forests."
	Bassein	..	..	244·2	139·7	..	..	244·2			Ditto.
	Delta	..	..	..	..	1016	247·5	1016·0			The area entered under 4-inch detail survey was surveyed by aerial photography for reproduction on 3-inch scale. Cost of survey debitable to "Forests."
	Arakan North	7·3	44·8	..	..	5·6	367·1	12·9			Cost of 4-inch survey only is debitable to "Forests."
	Arakan South	..	..	23·5	175·8	..	..	23·5			Cost of survey debitable to "Forests."
	Toungoo North	..	..	..	..	..	..	..			
	Toungoo South	..	..	..	..	..	..	..			196·9 linear miles of boundaries were traversed.
	Shwegyin	..	..	..	..	..	..	..			95·7 linear miles of boundaries were traversed.
	Pegu North	..	..	..	..	..	..	..			111·1 linear miles of boundaries were traversed.
	Pegu South	..	..	2·0	139·7	4·0	310·0	6·0			Cost of survey debitable to "Forests." 92·8 linear miles of boundaries were traversed.
	Thaton	..	..	..	..	..	..	..			131·8 linear miles of boundaries were traversed.
	Salween	..	..	..	..	..	..	..			
	Tenasserim South	..	..	..	..	..	..	..			
	Thaungyin	..	..	..	..	5·7	272·9	5·7			Cost of survey debitable to "Forests" 45 linear miles of new roads were surveyed on the 4-inch scale.
	Ataran	5·1	48·6	130·0	137·1	9·8	272·9	144·9			10 linear miles of boundaries were traversed.
	Katha	..	..	75·5	139·7	..	..	75·5			Cost of survey not debitable to "Forests."
	Minbu	115·1	20·1	..	..	..	..	115·1			Cost of survey is debitable to "Forests."
	Pyinmana	..	..	..	..	..	..	..			The area entered under 1-inch detail survey was surveyed on the ½-inch scale. Cost of survey not debitable to "Forests."
	Maymyo	..	..	..	..	..	..	..			92·4 linear miles of boundaries were traversed.
	Myitmaka Extraction	..	..	..	..	..	..	..			
Coorg	....	..	..	..	..	..	..	..	478	377 8 0	

STATEMENT IV—*concld.*

Forest Survey operations from 1st April 1923 to 31st March 1924—concld.

Province.	Forest Surveys.	Nature of Survey Operations. 1" Detail Survey. Area.	1" Detail Survey. Cost rate.	2" Detail Survey. Area.	2" Detail Survey. Cost rate.	4" Detail Survey. Area.	4" Detail Survey. Cost rate.	Total area of detail survey. 1923-24.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping and publishing charges debitable to "Forests."	Remarks.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		Sq. m.	Rs.	Sq. m.	Rs.	Sq. m.	Rs.	Sq. m.	Sq. m.	Rs. A. P.	
Central Provinces	Damoh	..	..	..	..	..	..	..	19,515	562 0 0	
	Hosangabad	..	..	..	..	..	..	..			
	Berar	..	..	..	..	..	..	..			
	Balaghat	1·1	14·3	..	..	..	..	1·1			
Madras	Vizagapatam	..	..	..	..	..	..	..	17,490	4,687 14 0	
	Anantapur	..	..	..	..	..	..	..			
	Cuddapah North	135·3	13·3	..	..	..	..	135·5			The 2nd area entered under col. "1-inch detail survey" was surveyed on the ½-inch scale. Cost of surveys not debitable to "Forests."
	Cuddapah West	172·7	5·1	..	..	..	..	172·7			
	Cuddapah South	..	..	..	..	..	..	..			
	Nellore	..	..	..	..	..	..	..			
	Vellore South	..	..	..	..	..	..	..			
	Vellore West	..	..	..	..	..	..	..			
	Salem North	..	..	..	..	..	..	..			
	Salem Central	..	..	..	..	..	..	..			
	Salem East	..	..	..	..	..	..	..			
	Trichinopolly	..	..	..	..	..	..	..			
	Tinnevelley	..	..	..	..	..	..	..			
	Coimbatore-kollegal	..	..	..	..	..	..	..			
	Coorg	..	..	..	..	..	..	..			
N.-W. Frontier Province.	Hazara	..	..	..	..	..	..	..	445	1,253 8 0	
Punjab	Punjab	..	..	..	..	..	..	..	4,365	629 12 0	
	Jhelum	..	..	..	..	..	..	..			
	Southern Plantation	..	..	..	..	..	..	..			
United Provinces	Chakrata	..	..	..	..	..	..	..	7,102	2,521 1 0	
	Dehra Dun	..	..	..	..	..	..	..			
	Saharanpur	..	..	..	..	..	..	..			
	Kheri North	..	..	..	..	..	..	..			
	Kheri South	..	..	..	..	..	..	..			
	Banda	..	..	..	..	..	..	..			The area revised on the ½-inch scale is covered by existing 4-inch maps. Cost of survey not debitable to "Forests."
	Utilisation	..	..	..	..	..	..	..			
	Afforestation	..	..	..	..	..	..	..			
Ajmer	....	..	..	..	..	..	..	..	144		
India	....	..	..	..	..	..	..	..	..	126 8 0	
											Rs.
Total 1923-24	1st April 1923 to 31st March 1924.	*281	..	924	..	†25	..	2,568	94,382	5,24,078 0 0	Cost of mapping, publishing and special surveys only. Excluding Forest Map Office Head-quarters charges . 92,254
„ 1922-23	1st April 1922 to 31st March 1923.	831	..	649	..	10	..	1,507	91,814	2,23,205 0 0	Ditto . 9 2,124
„ 1921-22	1st April 1921 to 31st March 1922.	319	..	1,413	..	64	..	1,796	90,307	1,77,130 0 0	Ditto . . 86,991
„ 1920-21	1st July 1920 to 31st March 1921.	86	..	1,294	..	40	..	1,420	88,511	96,573 0 0	Ditto . . 125
„ 1919-20	1st July 1919 to 30th June 1920.	281	..	869	..	35	..	1,185	87,091	99,325 0 0	Ditto . . 61,000

NOTE.—The figures in column (10) for each Province have been obtained by adding column (9) to the figures given in column (10) of the published statement in the Annual Return of Statistics for the year 1922-23.

* Excludes 322 square miles surveyed on the ½-inch scale.

† „ 1016 „ „ „ by aerial Photography for reproduction on the 8" scale.

STATEMENT V.

Progress made in working plans.

Province.	AREA UNDER SANCTIONED WORKING PLANS.					AREA NOT UNDER WORKING PLANS.				REVISIONS.			
				AT CLOSE OF YEAR.		PLANS NOT UNDER PREPARATION.							
	At commencement of the year.	Added during the year.	Deducted during the year.	Actual area.	Percentage of total forest area (as shown in column 10).	Plans under preparation.	Required at present.	Not required at present.	Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Bengal . . .	4,745	1,853	1	6,597	59	210	40	4,376	11,223	..	403	26	16,871
United Provinces .	6,028	56	21	6,063	82	608	4	711	7,386	..	1,648	1,043	44,849
Punjab . . .	2,438	178	178	2,438	39·3	200	40	3,518	6,196	226	31	627	9
Burma . . .	10,011	258	..	10,269	37	3,248	6,433	7,940	27,890	1,484	2,358	1,203	38,387
Bihar and Orissa .	1,484	..	..	1,484	53·4	..	..	1,295	2,779	872	640	524	2,161
Assam . . .	238	..	..	238	1·1	1,502	2,166	17,510	21,416	..	..	..	..
Central Provinces .	16,077	20	25	16,072	81·7	513	1,299	1,796	19,680	2,600	..	..	..
Coorg . . .	520	104	104	520	..	..	..	..	520	..	..	..	..
North-West Frontier Province.	185	..	..	185	78·4	..	..	51	236	97	77	62	1,159
Ajmer . .	142	..	..	142	..	..	..	..	142	..	..	..	..
Baluchistan . .	..	..	..	..	..	..	..	..	..	..	..	..	..
Andamans . .	708	317	317	708	34·9	..	..	1,318	2,026	..	..	..	..
Madras . . .	5,611	647	..	6,258	32·7	2,292	5,219	5,359	19,128	..	..	..	..
Bombay . . .	7,869	16	13	7,872	63	920	1,102	2,591	12,485	1,257	648	35	15,697
TOTAL 1923-24 .	56,056	3,449	659	58,846	44·9	9,493	16,303	46,465	131,107	6,536	5,805	3,520	119,133
„ 1922-23 .	57,463	768	1,598	56,633	25·6	8,303	19,540	139,228	220,712	9,332	6,623	1,706	94,505
„ 1921-22 .	58,955	2,172	108	61,019	24·5	7,113	18,184	163,188	249,504	11,744	6,105	46	52,387
„ 1920-21 .	59,455	1,593	1,464	59,584	23·8	8,013	18,491	164,385	250,473	8,766	4,578	2,898	51,445
„ 1919-20 .	60,190	452	1,122	59,520	23·7	8,704	18,151	164,561	250,936	9,052	6,919	..	24,165

STATEMENT VI.

Expenditure on communications and buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads.	Buildings.	Roads.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	14,240	8,648	37,296	27,450	7,588	95,222
United Provinces	1,35,748	55,528	1,04,415	1,40,116	20,407	4,56,214
Punjab	21,560	5,718	18,263	22,781	9,582	77,904
Burma	1,71,351	2,34,740	1,00,700	1,15,898	51,616	6,74,305
Bihar and Orissa	64,122	19,197	29,756	36,024	9,807	1,58,906
Assam	24,217	24,287	28,152	46,406	12,179	1,35,241
Central Provinces	67,734	51,011	44,992	53,362	21,804	2,38,903
Coorg	18,628	4,966	9,574	54,698	6,001	93,867
North-West Frontier Province	1,748	17,216	2,483	3,027	1,436	25,910
Ajmer	220	90	140	159	5,611	6,220
Baluchistan	2,000	..	276	44	18	2,338
Andamans	(a) 4,804	..	..	2,715	..	7,519
Madras	71,889	1,08,083	73,064	94,230	11,048	3,58,314
Bombay	98,454	1,56,506	30,239	80,952	16,451	3,82,602
Total 1923-24	6,96,715	6,85,990	4,79,350	6,77,862	1,73,548	27,13,465
Total 1922-23	8,05,788	10,00,959	4,70,949	6,66,099	2,99,615	32,43,410
Total 1921-22	14,21,419	9,54,239	4,69,804	6,75,470	1,92,675	37,13,607
Total 1920-21	13,73,451	8,96,500	3,55,044	5,90,017	1,40,735	33,55,747
Total 1919-20	15,01,544	9,96,550	3,74,667	5,92,748	1,49,898	36,15,407

(a) Cost of labour only. Timber and material supplied Departmentally and not taken into account.

STATEMENT VII.

Breaches of forest rules.

Province.		Cases pending from 1922-23.	New cases of the year: Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year: Conviction. Cases.	Conviction. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Bengal	A.	43	3	134	23	40	200	243	116	332	22	58	138	390	88
	B.	130	15	1,095	1,298	1,037	3,445	3,575	3,383	6,099	11	13	3,394	6,112	163
	C.	..	96	80	10	27	213	213	..	..	..	..	..	..	..
	Total	173	114	1,309	1,331	1,104	3,858	4,031	3,499	6,431	33	71	3,532	6,502	251
United Provinces	A.	60	26	112	32	46	216	276	145	392	45	86	190	478	86
	B.	108	43	1,466	2,170	292	3,971	4,079	3,576	8,986	351	824	3,927	9,810	152
	C.	..	116	108	6	11	241	241	..	..	..	..	..	..	..
	Total	168	185	1,686	2,208	349	4,428	4,596	3,721	9,378	396	910	4,117	10,288	238
Punjab	A.	172	7	237	202	114	560	732	313	699	48	485	361	1,184	357
	B.	584	12	2,804	4,332	1,190	8,338	8,922	7,900	12,029	118	206	8,018	12,235	869
	C.	..	83	7	5	14	109	109	..	..	..	..	..	..	..
	Total	756	102	3,048	4,539	1,318	9,007	9,763	8,213	12,728	166	691	8,379	13,419	1,226
Burma	A.	385	3	608	20	145	776	1,161	834	1,389	143	286	977	1,675	..
	B.	1,174	36	6,202	240	2,151	8,629	9,803	7,458	10,671	..	..	7,458	10,671	..
	C.	..	..	83	..	11	94	94	..	..	..	..	..	..	..
	Total	1,559	39	6,893	260	2,307	9,499	11,058	8,292	12,060	143	286	8,435	12,346	2,165
Bihar and Orissa	A.	88	3	196	42	65	306	394	286	891	41	157	327	1,048	45
	B.	95	10	1,166	213	61	1,450	1,545	1,444	4,335	1	7	1,445	4,342	91
	C.	..	117	..	..	..	117	117	..	..	..	..	..	..	..
	Total	183	130	1,362	255	126	1,873	2,056	1,730	5,226	42	164	1,772	5,390	136
Assam	A.	89	..	124	26	69	219	308	203	618	21	134	224	752	84
	B.	85	..	524	114	252	890	975	882	2,302	..	..	882	2,302	93
	C.	..	..	1	..	5	6	6	..	..	..	..	..	..	..
	Total	174	..	649	140	326	1,115	1,289	1,085	2,920	21	134	1,106	3,054	177
Central Provinces	A.	53	53	79	141	24	297	350	231	602	68	322	299	924	36
	B.	1,788	149	6,066	6,703	798	13,716	15,504	13,590	38,298	16	29	13,606	38,327	1,837
	C.	..	429	589	133	32	1,183	1,183	..	..	..	..	..	..	..
	Total	1,841	631	6,734	6,977	854	15,196	17,037	13,821	38,900	84	351	13,905	39,251	1,873
Coorg	A.	..	..	2	1	1	4	4	1	1	..	..	1	1	1
	B.	..	..	..	..	11	11	11	11	18	..	..	11	18	..
	C.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	..	..	2	1	12	15	15	12	19	..	..	12	19	1
North-West Frontier Province	A.	104	2	152	89	..	243	347	195	501*	26	71	221	572	123
	B.	..	..	540	1,104	16	1,660	1,660	1,660	2,780†	..	..	1,660	2,780†	..
	C.	..	18	17	9	..	44	44	..	..	..	..	..	..	..
	Total	104	20	709	1,202	16	1,947	2,051	1,855	3,281	26	71	1,881	3,352	123

* Also 2 villages.
† Also 1 village.

STATEMENT VII—*contd.*

Breaches of forest rules—contd.

Province.		Cases pending from 1921-22.	NEW CASES OF THE YEAR.					Total cases.	DISPOSED OF DURING THE YEAR.						Cases pending at close of year.
									Convictions.		Acquittals.		Totals.		
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Ajmer	A.	1	2	1	3	1	7	8	5	9	2	5	7	14	1
	B.	..	27	474	745	329	1,575	1,575	1,574	3,138	1	1	1,575	3,139	..
	C.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	1	29	475	748	330	1,582	1,583	1,579	3,147	3	6	1,582	3,153	1
Baluchistan	A.	2	..	30	2	..	32	34	24	45	5	12	29	57	5
	B.	..	..	99	92	..	191	191	191	241	..	..	191	241	..
	C.	..	1	3	..	..	4	4	..	..	..	..	..	..	..
	Total	2	1	132	94	..	227	229	215	286	5	12	220	298	5
Andamans	A.	..	..	8	..	..	8	8	4	5	4	11	8	16	..
	B.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	C.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total	..	..	8	..	..	8	8	4	5	4	11	8	16	..
Madras	A.	3,583	47	6,080	2,161	377	8,665	12,248	6,448	18,301	2,575	7,349	9,023	25,650	3,225
	B.	4,804	85	15,628	4,938	804	21,455	26,259	19,719	44,973	1,463	4,328	21,182	49,301	5,077
	C.	..	1,051	489	18	28	1,586	1,586	..	..	..	..	..	..	..
	Total	8,387	1,183	22,197	7,117	1,209	31,706	40,093	26,167	63,274	4,038	11,677	30,205	74,951	8,302
Bombay	A.	174	52	130	75	31	288	462	317	712	37	113	354	825	95
	B.	1,526	210	6,135	6,139	1,303	13,787	15,313	13,756	34,857	..	..	13,756	34,857	1,512
	C.	..	1,461	1,276	50	50	2,837	2,837	..	..	..	..	..	..	..
	Total	1,700	1,723	7,541	6,264	1,384	16,912	18,612	14,073	35,569	37	113	14,110	35,682	1,607
Grand Total	A.	4,754	198	7,893	2,817	913	11,821	16,575	9,122	24,497	3,037	9,089	12,159	33,586	4,146
	B.	10,294	587	42,199	28,088	8,244	79,118	89,412	75,144	168,727	1,961	5,408	77,105	174,135	9,794
	C.	..	3,372	2,653	231	178	6,434	6,434	..	..	..	..	..	..	..
Total 1923-24		15,048	4,157	52,745	31,136	9,335	97,373	112,421	84,266	193,224	4,998	14,497	89,264	207,721	16,105*
„ 1922-23		14,973	4,298	49,505	30,611	7,875	92,289	105,279	80,456	182,488	4,956	13,913	85,412	196,401	14,936
„ 1921-22		15,160	5,598	46,437	27,682	8,820	88,597	103,757	76,078	182,377	4,171	14,924	80,249	197,301	15,060
„ 1920-21		14,000	3,786	33,779	25,412	6,322	69,299	83,299	60,089	145,249	2,532	7,561	62,621	152,810	15,116
„ 1919-20		14,854	4,652	43,779	31,584	7,410	87,425	10,227	78,252	186,793	2,772	8,887	81,024	195,680	14,294

N.B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

* Burma has not shown separately "A" and "B" in column 15. It has given the figures for the total of pending cases at the close of the year as 2,165.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1922-23.	1923-24.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Bengal	684	565	13·0	3·1	17·4	
United Provinces	3,695	3,620	50·3	6·9	2·0	
Punjab	1,217	1,212	73·6	4·5	·4	
Burma	142	135	·5	10·4	4·9	
Bihar and Orissa	1,492	1,430	85·1	9·7	4·2	
Assam	12	9	·2	10·4	25·9	
Central Provinces	8,563	7,839	43·5	6·1	8·5	
Coorg	154	134	29·6	5·9	13·0	
North-West Frontier Province	78	76	33·1	10·1	2.6	
Ajmer	141	141	99·3	·3	..	
Madras	17,672*	17,129	93·2	5·4	3·1	* Includes wrongly 1,084 square miles subjected to early burning.
Bombay	10,678	10,281	77·0	22·2	3·7	
Total 1923-24	44,528	42,571	43·0	10·0	4·4	
„ 1922-23	41,857	30,189	41·5	5·6	27·9	
„ 1921-22	45,957	42,266	44·3	5·0	8·0	
„ 1920-21	45,779	43,225	44·2	5·1	5·6	
„ 1919-20	45,535	43,067	44·2	4·7	5·4	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal	1	..	11	12	29	15	2	..	45	53	88	80
United Provinces	22	3	37	11	81	16	28	16	72	30	240	76
Punjab	8	2	7	1	68	3	28	2	8	..	119	8
Burma	6	..	8	..	18	2	14	2	21	3	67	7
Bihar and Orissa	3	..	15	8	16	13	9	7	50	35	93	63
Assam	..	..	2	..	3	..	9	2	3	..	17	2
Central Provinces	17	17	120	139	99	78	19	16	366	473	621	723
Coorg	..	..	2	1	..	..	4	2	5	..	11	3
North-West Frontier Province	..	..	..	..	11	..	9	2	..	..	20	2
Ajmer	..	..	1	..	8	..	1	..	6	..	16	..
Baluchistan	..	..	..	..	..	..	..	..	1	..	1	..
Andamans	..	..	..	..	..	..	..	..	..	..	..	..
Madras	1	..	9	2	37	2	55	3	68	9	170	16
Bombay	48	10	119	25	433	99	206	35	925	274	1,731	443
Total 1923-24	106	32	331	199	803	228	384	87	1,570	877	3,194	1,423
„ 1922-23	191	62	560	399	1,037	367	1,290	784	2,125	1,084	5,017	2,489
„ 1921-22	240	101	716	655	1,229	491	1,497	1,169	2,525	1,448	6,207	3,864
„ 1920-21	225	113	511	660	1,034	320	676	514	1,945	1,051	4,391	2,658
„ 1919-20	219	86·4	672	588	1,198	341	1,112	709·1	2,246	1,106·1	5,447	2,800·6

STATEMENT X.

Area closed and open to grazing.

AREA IN SQUARE MILES

Province.	Closed to all animals.		Open to grazing.				Total area.	Remarks.
			Of all animals.		*Of all animals except browsers (camels, sheep and goats).*			
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bengal	6,240	..	4,847	..	73	63	11,223	
United Provinces	2,201	73	4,288	10	806	8	7,386	
Punjab	474	25	5,027	172	350	148	6,196	
Burma	21,368	..	65	162	1,782	4,510	27,887	
Bihar and Orissa	1,168	..	187	191	1,183	43	2,772	
Assam	5,423	62	14,214	1	1,713	3	21,416	
Central Provinces	3,446	7	4,775	7	11,424	28	19,687	
Coorg	88	419	..	..	13	419	939	
North-West Frontier Province	52	...	8	..	175	..	235	
Ajmer	59	79	..	..	3	79	220	
Baluchistan	204	..	96	4	13	..	317	
Andamans	82	..	...	..	342	..	424	
Madras	3,091	840	14,300	48	855	..	19,134	
Bombay	2,316	199	3,322	..	9,133	..	14,970	
Total 1923-24	46,212	1,704	51,129	595	27,865	5,301	132,806	
Total 1922-23	45,228	1,911	143,661	680	27,945	5,188	224,613	
Total 1921-22	47,000	2,237	166,670	652	27,619	5,326	249,504	
Total 1920-21	46,835	2,515	167,139	955	26,959	6,141	250,544	
Total 1919-20	47,161	1,602	171,683	1,885	25,742	5,317	253,389	

STATEMENT XI.

Protection from Cattle.

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Bengal	8,810	1,502	237	..	53	102	42,372	..	..	11
United Provinces	70,343	169,750	158,074	887	2,809	6,104	20,565	7,853	..	246
Punjab	8,537	15,527	199,555	65,836	1,105	1,704	12,963	401,418	1,247	211
Burma	5,379	26,897	40	1	158	8	..	..	..	..
Bihar and Orissa	10,901	33,150	2,846	..	4	273	6,137	..	..	..
Assam	6,006	1,391	318	..	274	108	38	..	..	..
Central Provinces	239,921	672,266	356,623	361	2,232	128,098	1,748,877	2,920	..	153
Coorg	268	3,805	..	..	20	..	..	..	..	..
North-West Frontier Province	650	527	110	..	8	..	..	..	..	..
Ajmer	747	7,494	..	..	6	4,062	15,262	..	..	..
Baluchistan	18	1,013	2,800	..	5	..	..	..	..	..
Madras	*105,233	1,068,008	754,535	..	7	11,774	187,256	14,957	..	..
Bombay	†157,448	..	78,495	786	6,344	†1,199,264	..	473,189	..	3,508
Total 1923-24	614,261	2,001,330	1,553,633	67,871	13,025	1,351,497	2,033,470	900,337	1,247	4,129
„ 1922-23	232,301	1,030,338	1,016,118	50,915	11,212	179,885	1,807,728	890,578	1,491	5,262
„ 1921-22	384,102	1,394,579	1,060,663	15,812	10,704	322,002	2,712,765	743,156	1,223	5,761
„ 1920-21	486,688	1,343,327	953,766	20,662	12,289	255,600	2,819,343	602,187	1,628	6,581
„ 1919-20	531,396	1,497,340	1,153,310	20,886	13,491	258,528	2,794,840	619,689	132	20,537

*Includes animals grazed at enhanced or special rates.
† Includes cows and bullocks.

MENT XI.

from cattle.

GRAZED FREE, NUMBER OF ANIMALS.										
By right under settlement.					During pleasure of Government or otherwise than under settlement.					Total number of animals grazed.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
..	..	..	..	..	834	2,782	85	..	..	56,788
41,153	478,362	48,543	..	1,398	8,669	35,150	61,044	..	144	1,111,094
131,650	650,573	1,298,309	285	184,458	3,864	20,084	20	776	2,775	3,000,897
144,602	356,016	..	..	928	15,054	472	..	..	12,031	561,586
41,711	234,545	42,359	..	..	146	1,233	581	..	..	373,886
29	88	..	..	..	4,764	8,124	2,316	..	..	23,456
..	375	..	..	..	1,835	234,609	465	..	98	3,388,833
35	498	..	..	..	..	10,129	..	..	..	14,755
5,366	6,699	..	..	..	8,355	13,618	..	..	..	35,333
..	..	..	..	..	347	1,922	..	..	..	29,840
..	3,310	53,226	1	1,193	..	..	..	..	..	61,566
672	4,442	2,120	..	..	9,392	76,220	453	..	..	2,235,069
1,889	5,071	..	..	37	†509,466	..	639	685	2,068	2,438,889
367,107	1,739,979	1,444,557	286	188,014	562,726	404,343	65,603	1,461	17,116	13,331,992
365,575	1,789,026	1,441,645	286	189,217	128,484	615,890	68,244	1,226	19,043	9,844,464
378,662	2,029,210	1,464,585	473	188,086	155,000	834,991	168,524	5,516	21,255	11,897,069
406,376	1,778,504	1,440,990	287	188,166	222,779	1,393,225	210,512	2,300	13,943	12,159,153
405,922	1,830,657	1,435,699	186	188,850	223,495	1,372,687	147,698	6,086	15,648	12,537,077

STATEMENT XII.

Area of plantations and the cost of the year's work.

Province.	Area in acres at close of the year.			Cost of operations during the year.
	Regular plantations.	Taungyas.	Total.	
(1)	(2)	(3)	(4)	(5)
				Rs.
Bengal	7,155	6,499	13,654	69,737
United Provinces	25,412	318	25,730	81,570
Punjab	13,310	..	13,310	1,15,280
Burma	4,419	98,740	103,159	1,47,844
Bihar and Orissa	3,492	542	4,034	6,904
Assam	3,236	7,051	10,287	5,054
Central Provinces	1,216	9,743	10,959	888
Coorg	1,312	3,849	5,161	8,847
North-West Frontier Province	42	..	42	144
Ajmer	598	..	598	22
Baluchistan	52	..	52	215
Andamans	1,631	..	1,631	..
Madras	* 34,259	..	34,259	46,512
Bombay	1,801	..	1,801	7,365
Total 1923-24	97,935	126,742	224,677	4,90,382
„ 1922-23	80,457	124,990	205,447	3,92,552
„ 1921-22	47,119	101,109	148,223	4,36,231
„ 1920-21	65,157	104,018	169,175	2,99,233
„ 1919-20	66,210	101,321	167,531	2,80,252

* Includes Taungya plantation and cultural operations.

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average outturn per square mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	(a) 27,001,000	(b) 3,86,981	1,381,000	18,897	529,000	40,874	28,911,000	4,46,752	5,123	73	811	11	126	10	2,592	40
United Provinces	(b) 39,573,000	(b) 22,47,217	1,000	3,928	58,000	5,530	39,632,000	22,56,675	540	306	250	982	1,415	96	5,366	306
Punjab . .	(b) 9,686,000	(b) 12,57,047	17,620,000	10,04,658	5,034,000	2,69,827	32,340,000	25,31,532	5,860	760	4,366	249	9,929	532	5,219	409
Burma . .	39,028,000	5,84,835	..	..	59,390,000	8,01,748	98,418,000	13,86,583	1,399	21	..	..	629	8	805	11
Bihar and Orissa	5,929,000	1,31,042	7,562,000	1,92,289	..	..	13,491,000	3,23,331	3,380	75	7,436	189	..	..	4,856	116
Assam . .	(c) 5,510,000	1,71,196	..	..	(c) 9,866,000	6,71,429	(c) 15,376,000	8,42,625	948	29	..	..	632	43	718	39
Central Provinces	45,265,000	22,38,444	..	6,34,834	..	46,459	45,265,000	29,19,737	2,300	114	..	..	..	..	2,300	148
Coorg . .	212,167	23,112	191,607	776	..	..	403,774	23,888	408	45	..	..	..	..	776	46
North-West Frontier Province.	(d) 2,943	39,346	..	..	..	..	(d) 2,943	39,346	12	167	..	..	..	..	12	161
Ajmer . .	306,729	60,324	..	..	..	..	306,729	60,324	2,160	425	..	..	..	..	2,160	425
Baluchistan .	45,682	43,211	..	..	284,858	32	330,540	43,243	146	138	..	..	603	..	421	55
Andamans .	519,148	2,984	..	..	711,747	4,119	1,230,895	7,103	6,331	32	..	..	335	2	554	3
Madras . .	(b) 18,508,000	19,96,785	..	..	7,242,000	93,113	25,750,000	20,89,898	976	105	..	..	42,105	541	1,346	109
Bombay . .	(b) 51,428,000	18,53,731	787,000	11,522	14,000	..	(c) 52,229,000	18,65,253	3,727	134	672	10	..	..	3,489	125
Total 1923-24 .	243,014,669	1,10,36,255	27,542,607	18,66,904	83,129,605	19,35,131	353,686,881	1,48,36,290	2,349	107	3,473	235	708	16	1,545	65
„ 1922-23 .	221,168,091	1,15,54,229	37,957,254	11,87,870	90,833,629	18,29,419	349,958,974	1,45,71,518	2,191	114	5,244	164	786	16	1,564	65
„ 1921-22 .	218,580,978	1,06,97,572	35,585,818	13,10,719	107,266,278	17,98,973	361,383,074	1,38,07,264	2,106	103	4,701	174	776	13	1,448	55
„ 1920-21 .	185,012,636	1,00,06,763	34,539,446	12,06,466	79,101,907	23,90,398	298,653,989	1,36,00,627	1,788	97	4,595	161	567	17	1,192	54
„ 1919-20 .	205,357,374	93,16,424	37,516,337	14,75,964	96,642,122	20,84,800	339,515,833	1,28,77,188	1,994	91	4,724	186	690	15	1,353	51

(a) Includes leased lands.
(b) „ „ forests.
(c) Excludes shared forests.
(d) „ Guzara „
(e) Sandal wood—
Khs. m. lbs.
216 14 15
444 rejected cft.
185 trees.
353 roots.
127 billets.

STATEMENT XIV.

Forest produce removed by different agencies.

Part I.—Timber and Fuel.

Province.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal . . .	322,000	16,425,000	27,000	..	16,774,000	235,000	10,238,000	1,664,000	..	12,137,000
United Provinces . . .	378,000	7,724,000	129,000	770,000	9,001,000	419,000	10,730,000	610,000	18,872,000	30,631,000
Punjab	1,750,000	1,338,000	110,000	1,312,000	4,510,000	1,821,000	2,275,000	22,000	23,712,000	27,830,000
Burma	5,880,000	38,157,000	492,000	1,684,000	46,213,000	3,590,000	44,352,000	131,000	4,132,000	52,205,000
Bihar and Orissa . . .	68,000	2,001,000	18,000	272,000	2,359,000	1,102,000	4,072,000	43,000	5,915,000	11,132,000
Assam	232,000	7,458,000	605,000	..	8,295,000	23,000	3,708,000	3,746,000	7,000	7,484,000
Central Provinces . . .	2,714,000	7,656,000	267,000	66,000	10,703,000	1,900,000	30,593,000	1,511,000	558,000	34,562,000
Coorg	96,152	66,582	..	..	162,734	85,515	155,525	..	..	241,040
North-West Frontier Province .	648	13	20	5	686	435	286	1,222	316	2,259
Ajmer	..	6,680	..	745	7,425	93,478	205,826	..	.	299,304
Baluchistan	..	20,286	868	..	21,154	21,778	287,488	120	..	309,386
Andamans	800,226	8,213	34,230	7,367	850,036	417,940	12,800	273,840	120,560	825,140
Madras	1,313,000	3,277,000	349,000	37,000	4,976,000	1,414,000	19,156,000	50,000	154,000	20,774,000
Bombay	1,735,000*	4,530,000	70,000	11,000	6,346,000*	5,620,000	33,362,000	24,000	6,877,000	45,883,000
Total 1923-24 .	15,289,026	88,667,774	2,102,118	4,160,117	110,219,035	16,743,146	159,147,925	8,076,182	60,347,876	244,315,129
„ 1922-23 .	14,974,963	86,531,547	2,116,348	4,017,237	107,640,095	19,778,094	140,514,225	10,524,440	71,849,120	242,665,879
„ 1921-22 .	16,809,862	96,612,588	2,434,884	4,041,720	119,899,054	21,780,923	136,780,927	14,205,170	68,730,000	241,497,020
„ 1920-21 .	13,256,619	72,374,084	1,940,100	3,131,627	90,702,430	16,893,042	114,656,636	11,759,881	64,660,000	207,969,559
„ 1919-20 .	14,929,994	80,685,176	2,116,673	3,089,160	100,821,003	22,217,740	137,726,267	12,318,823	66,570,000	238,832,830

* And also Sandalwood—
Khs. m. lbs.
216 14 15
444 rejected.
c. ft. 185 trees,
353 roots,
127 billets.

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—contd.

Part II.—Value of minor forest produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor Produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	173	1,01,721	749	..	1,02,643	..	38,883	20,294	..	59,177	4,184	2,67,764	12,984	..	2,84,932
United Provinces	488	2,05,572	46	7,553	2,13,659	14,095	1,86,687	10,960	2,97,03	5,08,778	3,86,692	10,84,566	7,602	55,378	15,34,238
Punjab	66,857	1,789	971	12	69,629	14	1,71,027	36,358	20,01,083	22,03,482	1,87,989	18,958	2,117	44,357	2,53,421
Burma	1,020	2,83,490	206	12,167	2,96,883	..	18,350	69,871	1,65,536	2,53,757	3,797	7,17,934	960	1,13,252	8,35,943
Bihar and Orissa	17,540	61,726	289	26,936	1,06,491	..	12,635	740	99,197	1,12,572	16,924	67,572	66	19,706	1,04,268
Assam	161	54,636	16,783	..	71,580	..	18,319	18,715	22	37,056	47,906	5,13,084	1,79,016	..	7,40,006
Central Provinces	4,789	4,18,721	5,918	3,931	4,33,359	3,732	16,16,176	1,45,810	2,54,074	20,19,792	1,59,410	2,89,731	13,960	3,485	4,66,586
Coorg	3	1,940	..	..	1,943	380	1,073	..	..	1,453	..	20,492	..	..	20,492
North-West Frontier Province.	..	..	..	..	..	..	1,341	18,625	5,713	25,679	12,547	1,020	100	..	13,667
Ajmer	..	959	..	..	959	1,052	9,550	1,402	44,072	56,076	420	2,869	..	..	3,289
Baluchistan	..	..	..	..	..	..	705	..	41,470	42,175	134	443	491	..	1,068
Andamans	176	58	1,142	174	1,550	..	..	..	..	..	685	136	3,764	968	5,553
Madras	54,208	3,45,119	4,339	143	4,03,809	..	9,11,783	22,435	5,963	9,40,181	28,499	7,13,835	2,810	764	7,45,908
Bombay	28	1,33,889	721	9,207	1,43,845	12,037	7,85,327	33,882	6,29,240	14,60,486	9,227	2,15,079	2,013	34,603	2,60,922
Total 1923-24	1,45,443	16,09,620	31,164	60,123	18,46,350	31,310	37,71,856	3,79,092	35,43,406	77,25,664	8,58,414	39,13,483	2,25,883	2,72,513	52,70,293
,, 1922-23	95,105	15,19,146	38,488	1,18,401	17,71,140	17,576	34,64,968	4,47,417	34,91,293	74,21,164	19,99,668	29,57,079	2,47,056	1,79,594	53,83,397
,, 1921-22	76,393	13,32,686	28,292	68,563	15,05,934	29,859	27,81,431	3,75,444	33,63,375	65,50,109	23,37,078	26,83,135	3,21,970	4,12,088	57,54,271
,, 1920-21	83,354	13,40,193	24,389	59,117	12,07,053	40,851	34,03,389	8,01,609	30,14,370	72,60,219	20,23,005	25,73,501	2,99,280	2,37,569	51,33,355
,, 1919-29	1,75,122	13,50,352	31,136	58,917	16,15,527	1,79,952	36,44,395	7,64,529	30,20,093	76,08,969	27,25,985	31,42,920	2,64,989	2,80,307	64,64,301

STATEMENT XV.

Exports of forest produced by sea from British India.

Articles of Forest Produce.	Quantity in tons of 20 cwt. in the case of teak and other timbers, cubic tons.		Valuation at port of shipment in 1923-24.	
	Average of 5 years 1918-19 to 1922-23.	In 1923-24.	Total.	Per ton.
(1)	(2)	(3)	(4)	(5)
			Rs.	Rs.
Caoutchouc, raw	5,723	6,889	1,14,46,018	1,661
Lac — Button	571	843	38,45,642	4,562
Lac — Shell	16,054	19,857	8,06,96,260	4,064
Lac — Stick, seed and other kinds	1,722	3,583	60,85,241	1,698
Cutch and gambier	2,222	2,343	9,52,686	407
Myrabolams	61,545	66,238	72,62,422	110
Cardamoms	369	314	17,56,768	5,595
Sandal	347	739	11,22,148	1,518
Ebony and other ornamental wood	*	*	1,87,815	...
Teak	33,187	40,097	1,06,94,024	267
Other timbers	4,791	4,067	4,05,342	100
Total in 1923-24	..	..	12,44,54,366	..
„ 1922-23	..	..	12,79,97,378	..
„ 1921-22	..	..	9,98,56,627	..
„ 1920-21	..	..	10,94,79,350	..
„ 1919-20	..	..	11,78,26,630	..

* Quantity not recorded.

STATEMENT XV (*a*).

Year (calendar).	Imports of timber into British India, 1920-1924.		Imports of sleepers of wood* for railways into British India, 1920-1924.	
	Cubic tons.	Rs.	Cubic tons.	Rs.
1920	68,560	1,16,08,544	10,272	19,89,780
1921	60,381	91,99,142	23,681	46,78,556
1922	38,527	49,13,195	18,926	29,44,791
1923	30,427	39,75,721	29,447	39,25,249
1924	60,844	32,32,327	645	87,662

* Includes sleepers of Jarrah and other wood.

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	2,095	34,273	16,016	34,892	12,984	1,00,260
United Provinces	89,054	1,62,001	7,599	3,06,767	62,880	6,28,301
Punjab	89,519	7,55,330	983	20,37,441	46,474	29,29,747
Burma	1,21,697	1,257	231	69,871	798	1,93,854
Bihar and Orissa	39,084	1,75,127	27,225	99,937	20,584	3,61,957
Assam	31,468	55,571	16,783	18,664	1,97,753	3,20,239
Central Provinces	15,866	28,911	6,423	1,48,310	10,955	2,10,465
Coorg	..	..	..	2,670	..	2,670
North-West Frontier Province	2,401	43,085	..	24,338	100	69,924
Ajmer	...	..	..	45,474	..	45,474
Baluchistan	219	6	..	469	25	719
Andamans	4,869	2,465	1,315	..	4,733	13,382
Madras	56,302	1,343	4,593	28,706	3,831	94,775
Bombay	23,603	2,29,208	9,928	6,63,122	36,616	9,62,477
Total 1923-24	4,76,177	14,88,577	91,096	34,80,661	3,97,733	59,34,244
„ 1922-23	5,75,162	18,05,969	1,98,619	46,44,162	4,34,589	76,58,501
„ 1921-22	6,16,536	24,89,425	1,50,459	46,16,914	6,96,935	85,70,269
„ 1920-21	5,05,706	23,82,766	1,54,418	48,47,013	8,96,897	87,86,800
„ 1919-20	5,20,673	23,62,430	1,68,218	49,95,316	7,12,909	87,59346

STATEMENT XVII.

Details of revenue and expenditure for the Forest year 1923-24.

				Rs.	Percentage of each item to total.
Gross Receipts	(a) Wood			4,28,80,694	78·7
	(b) Minor forest produce			46,14,160	8·5
	(c) Forest stamps and commutation fees for forest produce			1,45,233	·3
	(d) Grazing			37,66,063	6·9
	(e) Revenue from forests not managed by Government			3,95,994	·7
	(f) Miscellaneous			26,89,080	4·9
			Total Revenue	5,44,91,224	
Expenditure	A. Recurring	(a) Administration.	(i) Superior Staff	1,66,90,450	47·8
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).		
			(iii) Office Establishments (including Contingencies).		
		(b) Working	(1) Extraction	1,07,02,331	30·6
			(2) Roads and Buildings	23,86,615	6·8
			(3) Fire protection	3,43,953	1·0
			(4) Cultural operations	10,25,366	2·9
			(5) Live-stock, stores and plant	9,66,160	2·8
			(6) Working-plans	90,750	·3
			(7) Rent for leased forests	3,54,869	1·0
			(8) Miscellaneous	5,89,575	1·7
		(c) Expenditure on realization of revenue from forests not managed by Government.		22,900	·1
		(d) Forest Science and Education (including all "A" and "B" charges of Imperial Forest College and Research Institute*).		7,75,642	2·2
			Total	3,39,48,611	
	B. Extraordinary	(e) Forest Settlement		33,229	·1
		(f) Forest Survey		5,44,458	1·6
		(g) Forest Demarcation		1,27,687	·3
		(h) Gain or loss by exchange on English transactions, interest on capital outlay, etc.		2,76,296	·8
			Total	9,81,670	
			GRAND TOTAL OF EXPENDITURE	3,49,30,281	
			Net Revenue	1,95,60,943	

*Expenditure under this head in provinces has been included in (a) Administration.

STATEMENT XVIII.

Summary of revenue and expenditure of the Forest Department in India for the financial year 1922-23.

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma.	*Bihar and Orissa.	Assam.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	22,436	3,74,463	16,13,474	31,91,625	41,40,482	58,268	2,90,539
II.—Timber and other produce removed from the forests by consumers or purchasers.	6,290	17,87,983	53,84,107	5,27,778	1,33,12,445	9,26,172	14,52,948
III.—Drift and waif wood and confiscated forest produce.	..	12,382	6,493	31,467	3,05,439	57	19,504
IV.—Revenue from forests not managed by Government.	..	..	41,796	3,481	2,17,475	..	66,385
V.—Miscellaneous	825	86,687	3,10,159	6,32,182	—2,82,537	44,588	1,44,916
Total Revenue .	29,551	22,61,515	73,56,029	43,86,533	1,76,93,304	10,29,085	19,74,292
EXPENDITURE.							
A.—Conservancy and Works.							
I.—Timber and other produce removed from the forest by Government agency.	3,538	1,46,797	11,51,422	11,36,646	33,38,511	35,600	2,16,247
II.—Timber and other produce removed from the forests by consumers or purchasers.	..	1,63,057	2,34,122	1,950	2,71,144	25,817	27,491
III.—Drift and waif wood and confiscated forest produce.	..	1,493	1,432	12,294	1,91,901	24	979
IV.—Revenue from forests not managed by Government.	..	..	21,554	..	1,128	..	..
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	..	429	1,33,698	92,727	..	..	41,877
VI.—Live-stock, stores, tools and plant . .	..	22,760	1,26,731	28,878	3,10,017	13,391	34,134
VII.—Communications and buildings . .	880	1,01,172	4,56,218	84,845	5,08,839	1,62,825	1,35,636
VIII.—Demarcation, improvements and extension of forests.	370	1,25,228	3,70,278	2,25,265	2,14,922	37,667	28,769
IX.—Miscellaneous	..	12,082	48,089	2,15,160	5,63,016†	8,829	17,134
Total A.—Conservancy and Works .	4,788	5,73,018	25,43,544	17,97,765	53,99,478	2,84,153	5,02,267
B.—Establishments.							
Total B.—Establishment including Salaries, Travelling and other allowances and contingencies.	1,39,701	6,69,654	17,75,113	10,96,819	40,17,593	4,60,806	6,24,375
Total gain or loss by exchange on English transactions, interest on capital outlay, etc.	..	..	32,038	21,451	...	5,698	33,203
Grand Total of Expenditure .	1,44,489	12,42,672	43,50,695	29,16,035	94,17,071	7,50,657	11,59,845
Surplus .	..	10,18,843	30,05,334	14,70,498	82,76,233	2,78,428	8,14,447
Deficit .	1,14,938	..	..	..	..	..	..
Proportion of surplus to gross revenue . .	..	45	41	34	47	27	41
Net revenue per square mile of forest area under control of Forest Department.	..	91	407	237	67	100	38

* Includes Angul Division.

† Includes Rs. 4,38,094 on account of Forest Surveys.

MENT XVIII.

Forest Department in India for the financial year 1923-24.

Central Provinces.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Forest Surveys (Imperial).	Madras.	Bombay.	TOTAL.
(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
7,76,691	6,51,401	4,61,879	14,135	4,105	5,91,748	..	..	17,08,583	22,46,740	1,61,46,519
40,27,142	42,553	21,220	34,316	2,757	1,816	..	..	31,61,027	45,11,246	3,51,99,800
2,230	..	768	3	33	..	..	..	15,654	4,553	3,98,583
22,578	..	2,931	..	14,008	..	..	..	6	27,334	3,95,994
2,76,288	6,993	46,534	6,968	1,500	17,818	1,67,339	..	5,30,337	3,59,731	23,50,328
51,04,929	7,00,947	5,33,332	55,422	22,403	6,11,382	1,67,339	..	54,15,557	71,49,604	5,44,91,224
2,13,575	2,12,860	2,88,000	7,658	1,901	5,48,973	..	..	5,08,131	15,36,256	93,46,115
2,11,116	..	..	514	..	667	..	..	1,70,631	39,990	11,46,499
165	..	32	..	..	..	..	..	1,136	261	2,09,717
..	..	..	..	165	..	..	..	..	53	22,900
22,477	..	6,427	6,202	..	..	..	..	3,739	47,293	3,54,869
69,164	47,621	3,899	429	11	99,284	69,268	..	2,10,003	—162	10,35,428
2,20,667	94,118	25,665	6,217	2,337	64,419	14,083	..	3,73,670	1,49,107	24,00,698
2,22,903	32,970	4,351	2,675	720	48,667	..	95,944	1,78,489	1,38,131	17,27,349
56,009	7,390	5,894	972	320	10,680	1,32,412	..	21,430	60,664	11,60,081
10,16,076	3,94,959	3,34,268	24,667	5,454	7,72,690	2,15,763	95,944	14,67,229	19,71,593	1,74,03,656
20,00,604	1,70,639	1,24,299	24,787	25,986	1,23,524	5,59,879	..	31,03,544	23,33,006	1,72,50,329
24,428	..	..	..	..	..	..	..	63,053	96,425	2,76,296
30,41,108	5,65,598	4,58,567	49,454	31,440	8,96,214	7,75,642	95,944	46,33,826	44,01,024	3,49,30,281
20,63,821	1,35,349	74,765	5,968	..	..	..	..	7,81,731	27,48,580	2,06,73,997
..	..	..	..	9,037	2,84,832	6,08,303	95,944	..	..	11,13,054
40	19	14	11	..	..	..	..	14	38	36
105	260	305	42	..	..	..	..	41	184	85

STATE

Revenue of the Forest Department throughout India for the 25 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	2,175	31,717	25,429	10,866	5,147	9,688	6,090
Bengal†	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910
United Provinces	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740
Punjab	6,87,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770
Burma	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050
Bihar and Orissa	..	..	..	..	..	..	..
Assam‡	..	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100
Central Provinces and Berar	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490
Coorg	92,491	78,887	1,03,170	1,13,024	1,53,136	1,33,456	1,62,410
North-West Frontier Province	..	..	..	..	..	..	..
Ajmer	65	1,152	4,475	11,859	15,233	14,162	10,270
Baluchistan	..	..	8,556	10,973	17,998	15,330	17,060
Andamans	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600
Imperial Forest College and Research Institute.	..	..	..	397	1,636	3,040	3,210
Forest Surveys (Imperial)	..	17	139	206	668	300	420
Madras	6,03,243	5,88,389	8,06,020	13,00,481	17,14,328	21,10,988	23,02,290
Bombay	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200
Grand Total	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	7,666	8,189	10,632	8,662	10,680	12,837	11,471	12,047
Bengal†	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496
United Provinces	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235
Punjab	14,57,449	12,88,792	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943	14,38,005
Burma	86,63,989	91,92,032	93,58,077	10,07,117	99,67,594	1,09,22,393	1,14,25,430	97,07,694
Bihar and Orissa	..	..	..	..	4,07,213	4,38,958	4,91,735	5,49,779
Assam‡	14,30,447	14,46,368	15,54,732	18,90,635	11,46,320	11,42,091	10,97,969	8,32,877
Central Provinces and Berar	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529
Coorg	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237
North-West Frontier Province	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,013
Ajmer	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170
Baluchistan	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058
Andamans	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248
Imperial Forest College and Research Institute.	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617
Forest Surveys (Imperial)	..	..	..	..	..	..	..	..
Madras	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320	39,41,537
Bombay	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242
Grand Total	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545	2,97,09,784

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred

MENT XIX.

from 1899-1900 to 1923-24 and the average of 6 quinquennial years from 1869-70 to 1898-99.

NUE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
2,463	3,484	3,659	7,455	3,768	7,255	..	Imperial.*
12,33,339	12,92,237	12,56,247	10,65,523	11,67,472	11,18,542	10,65,859	Bengal.†
15,65,463	17,15,508	20,25,324	22,80,446	23,97,318	24,33,428	25,02,664	United Provinces.
13,50,842	14,47,558	15,86,408	17,17,797	18,74,443	17,81,653	16,05,284	Punjab.
80,54,444	58,73,938	67,39,053	82,68,535	89,59,756	1,03,29,869	98,12,519	Burma.
..	..	..	..	..	..	..	Bihar and Orissa.
5,49,521	5,12,963	5,80,200	6,75,732	8,15,677	11,06,096	13,20,592	Assam.‡
12,65,614	15,79,116	16,84,428	19,98,032	20,13,459	24,49,131	24,01,159	Central Provinces and Berar.
1,37,596	1,70,242	1,90,730	2,24,031	1,93,087	2,45,419	2,35,909	Coorg.
..	13,012	1,01,123	1,01,833	90,991	1,28,529	1,83,214	North-West Frontier Province.
10,646	6,865	9,736	13,884	17,297	15,002	18,335	Ajmer.
16,956	14,712	19,336	18,363	22,555	21,481	21,195	Baluchistan.
2,77,886	2,66,903	3,26,035	4,32,381	6,20,796	5,82,511	6,07,027	Andamans.
3,697	3,545	3,252	3,038	3,557	3,080	4,579	Imperial Forest College and Research Institute.
327	473	3,034	431	..	..	..	Forest Surveys (Imperial).
23,40,170	25,43,430	26,13,819	26,57,727	28,29,216	29,67,604	32,90,669	Madras.
29,61,529	23,79,729	23,29,156	27,51,539	30,20,558	38,84,993	34,22,481	Bombay.
1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950	2,66,74,593	2,64,91,486	Grand Total.

1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
23,457	24,546	51,720	27,488	24,527	27,122	27,803	26,553	29,551	Imperial.*
11,45,610	13,38,779	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226	22,61,515	Bengal.†
37,38,831	50,40,932	61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803	73,56,029	United Provinces.
17,27,283	16,87,801	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443	43,86,533	Punjab.
96,99,217	1,23,79,531	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952	1,76,93,304	Burma.
5,17,727	5,29,081	7,53,625	9,44,763	8,17,458	8,10,602	9,00,373	8,81,904	10,29,085	Bihar and Orissa.
10,55,052	11,48,621	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,13,853	19,74,292	Assam.‡
32,78,262	33,71,578	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979	51,04,929	Central Provinces and Berar.
4,49,155	4,87,314	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653	7,00,947	Coorg.
1,86,815	2,40,985	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659	5,33,332	North-West Frontier Province.
23,445	21,272	27,733	37,280	34,914	48,112	40,812	43,978	55,422	Ajmer.
21,633	18,277	17,934	25,108	17,937	22,544	17,229	14,939	22,403	Baluchistan.
4,34,784	6,49,711	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027	6,11,382	Andamans.
6,995	8,199	8,304	9,083	8,308	12,648	24,117	1,84,763	1,67,339	Imperial Forest College and Research Institute.
..	..	..	..	..	..	..	..	..	Forest Surveys (Imperial).
41,06,838	45,96,126	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956	54,15,557	Madras.
47,01,263	55,19,177	63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384	71,49,604	Bombay.
3,11,16,367	3,70,61,930	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072	5,44,91,224	Grand Total.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes House Charges.
Orissa.
to Bengal.

STATE

Expenditure of the Forest Department throughout India for the 25 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550
Bengal†	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210
United Provinces	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380
Punjab	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460
Burma	4,02,847	6,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440
Bihar and Orissa	..	..	..	..	..	..	..
Assam‡	..	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140
Central Provinces and Berar	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820
Coorg	40,684	36,591	62,248	73,907	77,016	82,146	74,220
North-West Frontier Province	..	..	..	..	..	..	..
Ajmer	6,197	18,692	13,197	17,620	14,061	16,722	15,350
Baluchistan	..	..	12,594	16,130	39,452	33,508	28,680
Andamans	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940
Imperial Forest College and Research Institute.	..	..	..	28,746	45,023	65,120	73,550
Forest Surveys (Imperial)	11,911	63,288	40,447	24,477	24,491	31,936	33,980
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530
Bombay	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430
Grand Total	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.
Imperial*	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478
Bengal†	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157	6,70,935
United Provinces	11,94,013	12,22,436	12,09,308	12,37,938	13,63,673	16,29,264	18,96,014	23,17,740
Punjab	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302
Burma	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447
Bihar and Orissa	..	..	..	..	3,00,916	3,75,894	3,55,648	3,84,371
Assam‡	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339
Central Provinces and Berar	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569
Coorg	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,833
North-West Frontier Province	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023	1,25,539
Ajmer	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,733
Baluchistan	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000
Andamans	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056
Imperial Forest College and Research Institute.	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091
Forest Surveys (Imperial)	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353
Madras	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685
Bombay	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877	24,87,925
Grand Total	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred

MENT XIX—*contd.*

from 1899-1900 to 1923-24 and the average of 6 quinquennial years from 1869-70 to 1898-99.

DITURE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,578	79,539	85,017	89,345	83,058	83,767	95,472	Imperial.*
5,70,806	6,57,131	6,38,014	7,03,508	6,88,589	5,93,509	6,33,386	Bengal.†
9,63,439	10,08,739	10,13,998	10,81,438	13,91,583	14,05,182	13,06,651	United Provinces.
8,87,343	9,38,335	9,60,095	11,56,415	10,12,354	12,65,664	11,44,403	Punjab.
26,54,717	24,46,457	28,90,263	33,52,404	34,46,924	39,38,063	36,59,753	Burma.
..	..	..	..	..	..	..	Bihar and Orissa.
3,47,972	3,29,112	3,27,498	4,25,484	5,03,656	5,93,910	7,07,860	Assam.‡
11,65,866	12,00,904	12,57,288	12,80,966	13,20,615	13,07,153	13,42,898	Central Provinces and Berar
70,905	82,333	89,437	92,191	83,820	95,748	1,02,855	Coorg.
..	19,510	54,086	60,603	74,958	95,258	92,650	North-West Frontier Province.
16,782	15,927	16,377	16,680	15,641	17,131	16,715	Ajmer.
29,254	24,480	23,240	21,697	24,672	25,743	26,322	Baluchistan.
1,40,137	2,04,667	2,81,702	2,66,121	3,42,431	3,35,985	2,95,136	Andamans.
71,238	76,290	66,338	59,339	61,424	80,669	1,37,486	Imperial Forest College and Research Institute.
33,991	33,730	33,985	33,935	28,229	30,044	30,389	Forest Surveys (Imperial).
17,15,431	17,09,554	18,35,552	17,50,930	19,86,098	22,66,602	24,80,660	Madras.
24,08,581	17,19,680	16,76,441	17,75,937	19,03,804	21,26,093	19,90,183	Bombay.
1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856	1,42,58,521	1,40,63,799	Grand Total.

1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	
1,09,502	1,03,248	90,332	1,10,638	1,32,777	1,68,993	2,57,011	4,33,494	1,44,489	Imperial.*
5,93,635	6,19,649	7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	12,31,249	12,42,672	Bengal.†
25,66,307	27,35,915	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486	43,50,695	United Provinces.
9,23,878	9,34,662	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871	29,16,035	Punjab.
48,86,241	49,36,588	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149	94,17,071	Burma.
3,61,550	4,47,972	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531	7,50,657	Bihar and Orissa.
7,55,214	6,76,033	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634	11,59,845	Assam.‡
17,34,336	17,68,775	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417	30,41,108	Central Provinces and Berar.
1,76,633	1,60,492	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007	5,65,598	Coorg.
1,04,795	1,18,070	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383	4,58,567	North-West Frontier Province.
25,152	26,634	26,504	28,508	47,282	37,417	41,320	39,840	49,454	Ajmer.
27,995	26,929	29,990	28,787	25,314	28,761	53,275	36,468	31,440	Baluchistan.
4,30,832	4,28,652	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184	8,96,214	Andamans.
2,78,518	3,05,498	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,586	7,75,642	Imperial Forest College and Research Institute.
48,663	47,407	56,597	59,110	59,953	90,448	1,07,113	1,19,935	95,944	Forest Surveys (Imperial).
29,27,318	28,42,678	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463	46,33,826	Madras.
26,42,038	25,64,681	33,53,714	78,72,197	59,18,682	53,05,022	50,23,946	40,14,344	44,01,024	Bombay.
1,85,92,607	1,87,43,883	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041	3,49,30,281	Grand Total.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 25 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700
United Provinces	2,96,974	3,81,941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610
Bihar and Orissa	..	..	..	..	..	..	..
Assam‡	..	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960
Central Provinces and Berar	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190
North-West Frontier Province	..	..	..	..	..	..	..
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080
Baluchistan	..	..	—4,038	5,157	—21,454	—18,178	—11,620
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660
Imperial Forest College and Research Institute.	..	..	..	—28,349	—43,387	—62,080	—70,340
Forest Surveys (Imperial)	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560
Madras	1,46,409	11,413	1,85,360	2,32,960	4,29,215	6,04,232	6,48,760
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770
Grand Total	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431
Bengal†	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561
United Provinces	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495
Punjab	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703
Burma	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247
Bihar and Orissa	..	..	..	..	1,06,297	63,064	1,36,087	1,65,408
Assam‡	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729	—65,462
Central Provinces and Berar	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960
Coorg	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404
North-West Frontier Province	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420
Ajmer	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437
Baluchistan	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322	—6,942
Andamans	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192
Imperial Forest College and Research Institute.	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474
Forest Surveys (Imperial)	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353
Madras	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,80,852
Bombay	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317
Grand Total	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred

MENT XIX—*concld.*

from 1899-1900 to 1923-24 and the average of 6 quinquennial years from 1869-70 to 1898-99.

PLUS.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—81,115	—76,055	—81,358	—81,890	—79,290	—76,512	—95,472	Imperial.*
6,62,533	6,35,106	6,18,233	3,62,015	4,78,883	5,25,033	4,32,473	Bengal.†
6,02,024	7,06,769	10,11,326	11,99,008	10,05,735	10,28,246	11,96,013	United Provinces.
4,63,499	5,09,223	6,26,313	5,61,382	8,62,089	5,17,989	4,60,881	Punjab.
53,99,727	32,27,481	38,48,790	49,16,131	55,12,332	63,91,806	61,52,766	Burma.
..	..	..	..	..	..	..	Bihar and Orissa.
2,01,549	1,83,851	2,52,701	2,50,248	3,12,021	5,12,186	6,12,732	Assam.‡
99,748	3,78,212	4,27,140	7,17,066	6,92,844	11,41,978	10,58,281	Central Provinces and Berar.
66,691	87,909	1,01,293	1,31,840	1,09,267	1,49,671	1,33,054	Coorg.
..	6,498	47,038	41,230	16,033	33,271	89,564	North-West Frontier Province.
—6,136	—9,062	—6,641	2,796	1,656	—2,129	1,620	Ajmer.
—12,298	—9,768	—3,904	3,334	—2,117	—4,262	—5,127	Baluchistan.
1,37,749	62,236	44,333	1,66,260	2,78,365	2,46,526	3,11,891	Andamans.
—67,541	—72,745	—63,086	—56,301	—57,867	—77,589	—1,32,907	Imperial Forest College and Research Institute.
—33,664	—33,257	—30,951	—33,504	—28,229	—30,044	—30,389	Forest Surveys (Imperial).
6,24,739	8,33,876	7,78,267	9,06,797	8,43,118	7,01,002	8,10,009	Madras.
5,52,948	6,60,040	6,52,715	9,75,602	11,16,954	13,58,900	14,32,298	Bombay.
86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094	1,24,16,072	1,24,27,687	Grand Total.

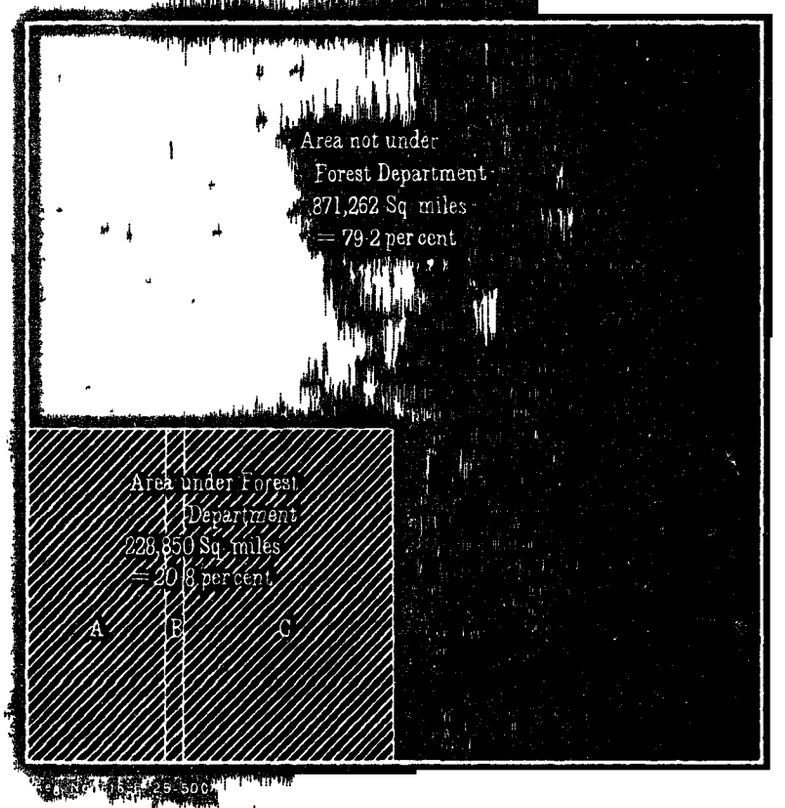
1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—86,045	—78,702	—38,612	—83,150	—1,08,250	—1,41,871	—2,29,208	—4,06,941	—1,14,938	Imperial.*
5,51,975	7,19,130	6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	10,79,977	10 18,843	Bengal.†
11,72,524	23,05,017	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317	30,05,334	United Provinces
8,03,405	7,53,139	9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	—14,62,428	14,70,498	Punjab.
48,12,976	74,42,943	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803	82,76,233	Burma.
1,56,177	81,109	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373	2,78,428	Bihar and Orissa.
2,99,838	4,72,588	6,23,329	8,01,757	6,59,873	5,65,343	3,05,516	5,99,219	8,14,447	Assam.‡
15,43,926	16,02,803	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562	20,63,821	Central Provinces and Berar.
2,72,522	3,26,822	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646	1,35,349	Coorg.
82,020	1,22,915	1,83,836	1,73,965	1,61,088	—2,34,418	—1,74,531	1,15,276	74,765	North-West Frontie r Province.
—1,707	—5,362	1,229	8,772	—12,368	10,695	—508	4,138	5,968	Ajmer.
—6,362	—8,652	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529	—9,037	Baluchistan.
3,952	2,21,059	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157	—2,84,832	Andamans.
—2,71,523	—2,97,299	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823	—6,08,303	Imperial Forest College and Research Institute.
—48,663	—47,407	—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935	—95,944	Forest Surveys (Imperial).
11,79,520	17,53,448	24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	4,83,493	7,81,731	Madras.
20,59,225	29,54,496	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040	27,48,580	Bombay.
1,25,23,760	1,83,18,047	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,59,02,031	1,95,60,943	Grand Total.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home charges.
Orissa.
o Bengal.

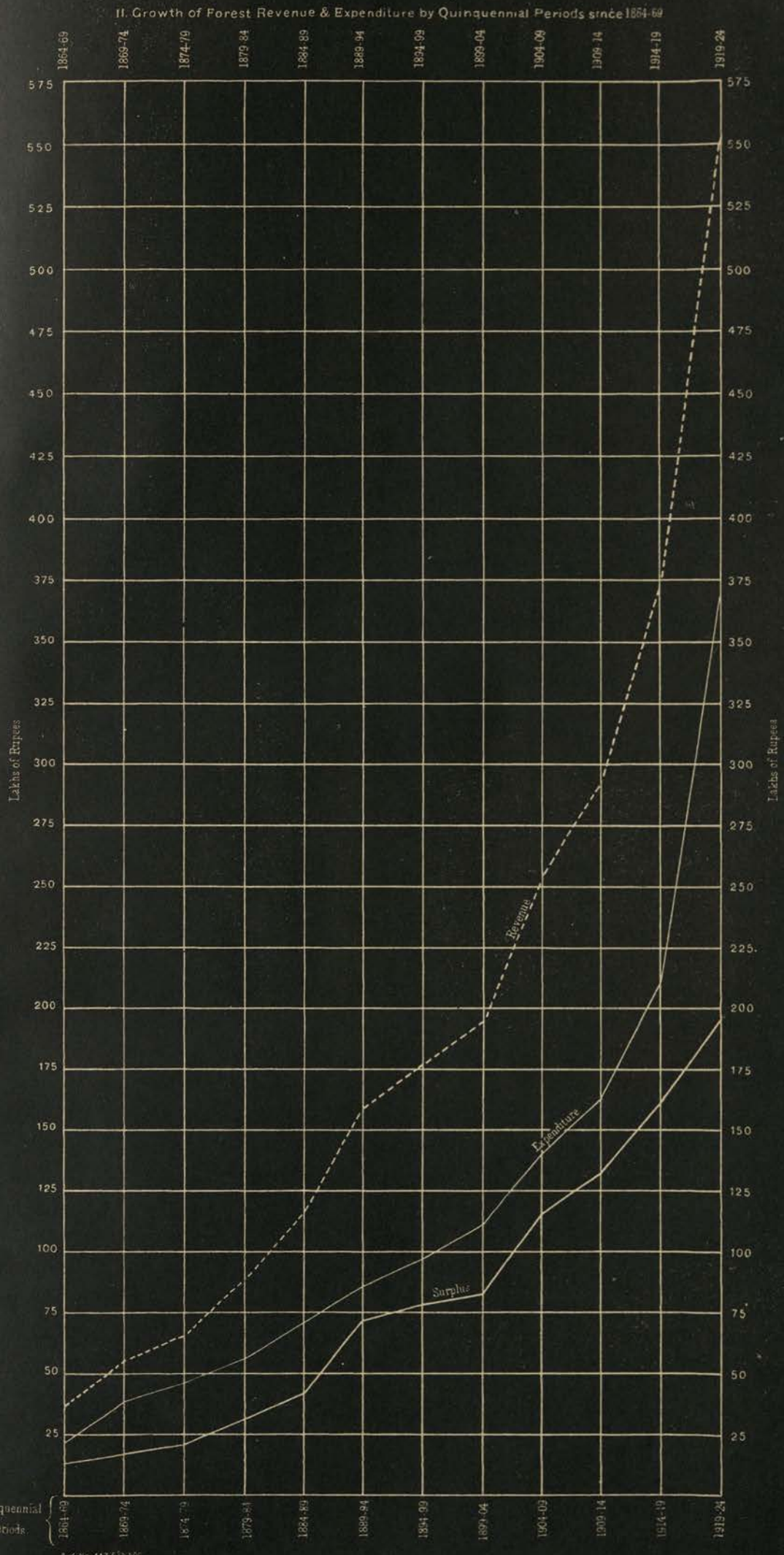
MGIPC—S5—X5—19-10-25—500.

STATISTICAL DIAGRAMS RELATING TO FOREST ADMINISTRATION IN BRITISH INDIA

I. Area under the control of the Forest Department compared with the total area of British India (including the Shan States).


Area not under Forest Department 871,262 Sq. miles = 79·2 per cent.
Total area 1,100,112 Sq. miles
Area under Forest Department 228,850 Sq. miles = 20·8 per cent.
A
B
C

A. Reserved Forests 103,449 Sq. miles
B. Protected do 7,931 do
C. Unclassed do 117,470 do


II. Growth of Forest Revenue & Expenditure by Quinquennial Periods since 1864-69
1864-69
1869-74
1874-79
1879-84
1884-89
1889-94
1894-99
1899-04
1904-09
1909-14
1914-19
1919-24
575
550
525
500
475
450
425
400
375
350
325
300
275
250
225
200
175
150
125
100
75
50
25
Lakhs of Rupees
Revenue
Expenditure
Surplus
Quinquennial periods.

Reg No 597 F M O 25-525

Annual Return of Statistics relating to Forest Administration in British India for the year 1924-25

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The Manager, The Indian Book Shop, Benares City.
B. C. Basak, Esq., Proprietor, Albert Library, Dacca.
The Srivilliputtur Co-operative Trading Union, Ltd., Srivilliputtur (Satur S. I. R.).
Banwari Lal, Esq., Pakariya Street, Pillibhit, United Provinces.
The Manager, Educational Book Depôt, Jubbulpore.
Raghunath Prasad & Sons, Patna City.
Dandekar Brothers, Indore City.
The Hyderabad Book Depôt, Chaderghat, Hyderabad (Deccan).

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APPENDIX.

Diagram showing annual forest revenue, expenditure and surplus for the years 1915-16 to 1924-25.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
1	2	3	4	5	6	7	8
Bengal	76,755	(a) 5,266	(b) 1,702	3,201	10,169	13·2	(a) Excludes 22 miles of reserved forests not under the management of the Forest Department. (b) Excludes 51 square miles of other protected forests not under the control of the Forest Department.
United Provinces	106,720	(c) 7,262	4	39	7,305	6·8	(c) Includes 156 square miles of leased forests.
Punjab	97,281	(d) 1,653	(e) 4,375	(f) 672	6,700	6·8	(d) Includes 355 square miles of leased forests but excludes 500 square miles of reserved forests not under the control of the Forest Department. (e) Excludes 72 square miles not under the control of the Forest Department. (f) Excludes 1,789 square miles not under the control of the Forest Department.
Burma	243,207*	28,227	...	95,408	123,635	50·8	
Federated Shan States	... ‖	(g) 2,870	...	21,575	24,445	...	(g) Includes 155·5 square miles subject to *taungya* privileges.
Bihar and Orissa	82,941	1,783	(h) 994	1	2,778	3·3	(h) Includes 930 square miles not under the control of the Forest Department.
Assam	51,825	5,903	...	15,592	21,495	41·4	
Central Provinces (including Berar).	99,927	19,671	...	...	19,671	19·6	(i) Includes 174 square miles of leased forests.
Coorg	1,582	520	...	...	520	32·8	
North-West Frontier Province.	13,099	(j) 236	(k)	9	245	1·8	(j) Excludes 14 square miles of Civil and Military Reserved Forests. (k) 121 square miles of civil protected forests are not shown.
Ajmer	2,767	142	...	...	142	5·1	
Baluchistan (portions under British Administration).	54,228†	313	...	472	785	1·4	
Andamans and Nicobar	3,143†	52	...	2,149	2,201	70·0	
Madras	143,280	18,921	...	(l) 311	19,232	13·4	(l) Reserved lands.
Bombay (including Sind)	123,217	13,815	1,203	...	15,018	12·1	
Total 1924-25	1,099,972‡	103,764 2,870	8,278 ...	117,854 21,575	229,896 24,445	20·8 ...	
Total 1923-24	1,100,112	103,449	7,931	117,470	228,850	20·8	
,, 1922-23	1,100,902	100,922	7,238	115,544	223,704	20·3	
,, 1921-22	1,098,341	103,789	7,550	138,165	249,504	22·7	
,, 1920-21	1,082,266	103,491	7,516	139,466	250,473	23·1	

* Including 60,593 square miles for the Shan States and Karenni.

‖ Figures not given separately.

† Figures taken from the Census Report of 1921.

‡ Excluding Delhi Province and Pargana Manpur.

STATEMENT II.

Progress made in Forest Settlements during the year 1924-25.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
1	2	3	4	5	6	7
				Rs.	Rs.	Rs.
Bengal	1	1	11	598	...	...
United Provinces	2	...	...	399	...	...
Punjab	...	...	...	...	...	...
Burma	417	1,858	783	2,165	...	...
Federated Shan States	12	21	200	14	...	...
Bihar and Orissa	28	50	3	...	...	...
Assam	95	193	5	2	...	15
Central Provinces	...	...	1	...	...	...
Coorg	...	...	...	...	...	...
North-West Frontier Province	...	...	...	...	...	...
Ajmer	...	...	...	...	...	...
Baluchistan	...	313	...	...	...	...
Andamans	...	...	...	...	...	...
Madras	43	127	6	77	...	...
Bombay	53	109	47	7,748	...	...
Total 1924-25	651	2,662	1,056	11,003	...	15
1923-24	944	3,854	667	9,940	...	...
1922-23	478	3,627	629	27,219	...	...
1921-22	480	4,081	489	38,807	...	...
1920-21	758	4,388	315	11,484	1,961	...

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal . . .	14	1,082	869	1,965	117	1,158	3,240	742	8,611
United Provinces .	10	2,021	8,899	10,930	10	3,454	14,394	3,695	20,498
Punjab . . .	54	1,352	7,150	8,556	21	1,418	9,995	790	4,128
Burma . . .	378	2,887	14,113	17,378	289	3,211	20,878	5,946	25,836
Federated Shan States	1	324	926	1,251	...	570	1,821	59	2,795
Bihar and Orissa .	115	3,063	1,584	4,762	...	378	5,140	...	2,062
Assam . . .	19	1,333	1,164	2,516	11	2,144	4,671	80	9,768
Central Provinces .	93	8,504	22,166	30,762	205	3,257	34,224	800	18,202
Coorg . . .	...	...	...	480	...	56	536	...	957
North-West Frontier Province.	...	144	633	777	...	139	916	...	1,434
Ajmer . . .	...	14	229	243	...	158	401	...	299
Baluchistan . .	...	24	436	460	...	77	537	...	6
Andamans . .	...	...	...	...	36	23	59	...	...
Madras . . .	132	23,586	8,295	32,013	776	2,419	35,208	4,768	3,128
Bombay . . .	87	25,363	12,320	37,770	141	2,766	40,677	221	2,710
Total 1924-25 .	903	69,697	78,784	149,863	1,606	21,228	192,697	17,101	1,00,429
1923-24 .	650	66,450	82,091	149,670	1,399	19,739	170,808	15,953	98,420
1922-23 .	403	66,742	82,665	149,809	1,456	19,273	170,547	12,311	1,08 537
1921-22 .	962	67,045	83,123	151,130	1,527	19,870	172,527	31,056	99,918
1920-21 .	922	59,827	90,443	151,192	1,400	19,776	172,368	20,853	87,481

STATEMENT IV.

Forest survey operations from 1st April 1924 to 31st March 1925.

Province.	Forest Surveyed.	Nature of survey operations.						Total area of Detail survey.		Expenditure of the year including mapping and publishing charges debitable to "Forests."	Remarks.
		1" Detail survey.		2" Detail survey.		4" Detail survey.					
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.	1924-25.	Total up to date.		
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Andamans	...	...	...	...	...	...	...	...	527	.....	
Assam	Sadiya	135	67·5	...	...	...	...	135	5,108	.....	Cost of surveys not debitable to "Forests."
Bengal	...	...	...	...	...	...	...	...	3,265	.....	
Bihar and Orissa	...	...	...	...	...	...	...	...	1,805	412 0 0	
Baluchistan	...	...	...	...	...	...	...	...	227	.....	
N. W. F. P.	Hazara	...	...	...	...	...	...	...	445	663 0 0	
Punjab	Punjab Changa Manga Plantation	...	...	...	...	...	...	...	4,365	580 12 0	
United Provinces.	Jhansi	30·8	13·3	...	...	...	...	30·8	7,133	363 4 0	Cost of surveys not debitable to "Forests."
	Bahraich	...	...	...	...	...	...	...			
	Afforestation	...	...	...	...	...	...	...			
	Banda	...	...	...	...	...	...	...			
	Pilibhit	...	...	...	...	...	...	...			
Ajmer	...	...	...	...	...	...	...	...	144	.....	
Central Provinces.	North Chanda	...	...	...	...	18·6	451·0	...	...	.....	Cost of surveys debitable to "Forests." 91 linear miles of traversing was also done for next year survey.
	Hoshangabad	...	...	...	...	...	...	18·6	19,534	10,367 12 0	
	Balaghat	...	...	...	...	...	...				
	South Raipur	...	...	...	...	...	...				
Bombay.	East Thana	...	...	...	...	4·6	214·0				
	Kolaba	...	...	...	...	(a) 0·3	292·5	4·9	12,988	1,685 14 0	Cost debitable to Forests. (a) The area entered under 4 inch survey against Kolaba was surveyed on the 8 inch scale.
	Nasik	...	...	...	...	...	...				
Madras	Guntur	...	...	...	...	...	...	...	18,057	.....	
	Godavari Upper and Lower.	567·7	12·7	...	...	...	...	567·7		.....	Cost of surveys not debitable to "Forests."
	Kistna	...	...	...	...	...	...	...		564 6 0	
	Madura	...	...	...	...	...	...	...		.....	
	Coimbatore North	...	...	...	...	...	...	...		.....	
India	...	...	...	...	...	...	...	...	...	99 8 0	
Coorg	...	...	...	...	...	...	...	...	478	.....	

STATEMENT IV—*contd.*

Forest survey operations from 1st April 1924 to 31st March 1925.

Province.	Forest Surveyed.	Nature of survey operations. 1" Detail survey. Area.	1" Detail survey. Cost rate.	2" Detail survey. Area.	2" Detail survey. Cost rate.	4" Detail survey. Area.	4" Detail survey. Cost rate.	Total area of Detail survey. 1924-25.	Total area of Detail survey. Total up to date.	Expenditure of the year including mapping and publishing charges debitable to "Forests."	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Burma	Tharrawaddy	...	...	...	...	32·1	...	32·1	...	.....	
	Bassein	...	...	...	...	...	...	...	...	.....	
	Allanmyo	...	...	...	...	...	...	...	...	.....	119·2 linear miles of boundary traversed. Cost not debitable to "Forests."
	Thaton	...	...	...	...	...	...	...	...	.....	
	N. Toungoo	...	...	...	...	(*b*)150·2	...	150·2	...	.....	(*b*) Includes 28·9 sq. miles of unclassed forests. Cost not debitable to "Forests." 15·5 linear miles of boundary traversed.
	S. Toungoo	...	...	...	...	44·9	...	44·9	...	.....	In addition 21 linear miles of boundary traversed.
	Pyinmana	...	...	...	...	55·3	...	55·3	...	.....	246·7 linear miles of boundaries were traversed by theodolite.
	S. Tennasserim	...	...	...	...	...	...	...	...	.....	
	S. Pegu	...	...	...	...	...	2,459	...	21,518	19,231 3 0	
	Ataran	...	...	...	...	...	...	...	...	.....	
	Insein	...	...	...	...	...	...	...	...	.....	
	N. Pegu	...	...	...	...	2·0	...	2·0	...	.....	61·6 linear miles of boundaries were traversed.
	Prome	...	...	...	...	...	...	...	...	.....	276·9 linear miles of boundary were traversed. Cost not debitable to "Forests."
	Meiktila	...	...	...	...	...	...	...	...	.....	
	Thayetmyo	22·5	...	...	...	...	...	22·5	...	.....	Cost not debitable to "Forests."
	Shwegyin	...	...	...	...	80·2	...	80·2	...	.....	Includes 7·3 sq. miles unclassed forests.
	Thaungyin	...	...	61·0	143·8	6·6	...	67·6	...	.....	5 linear miles of boundary traversed.
TOTAL 1924-25	1st April 1924 to 31st March 1925.	756	...	61	...	395	...	1,212	95,594	33,967 11 0	Charges for mapping publishing, etc., excludes forest map office Head Quarter charges. Rs. 57,660
1923-24	1st April 1923 to 31st March 1924.	281	...	924	...	25	...	2,568	94,382	5,24,078 0 0	Ditto 92,254
1922-23	1st April 1922 to 31st March 1923.	831	...	649	...	10	...	1,507	91,814	2,23,205 0 0	Ditto 92,124
1921-22	1st April 1921 to 31st March 1922.	319	...	1,413	...	64	...	1,796	90,307	1,77,130 0 0	Ditto 86,991
1920-21	1st April 1920 to 31st March 1921.	86	...	1,294	...	40	...	1,420	88,511	96,573 0 0	Ditto 65,125

STATEMENT V.

Progress made in working plans.

Province.	Area under sanctioned working plans.					Area not under working plans.				Revisions.			
				At close of year.		Plans not under preparation.							
	At commencement of the year.	Added during the year.	Deducted during the year.	Actual area.	Percentage of total forest area (as shown in column 10).	Plans under preparation.	Required at present.	Not required at present.	Total forest area in State-ment I. (Total of columns 5, 7, 8 and 9.)	Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.		Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	...	...	...	...	...	...	...	...	...	...	...	...	...
United Provinces	4,659	11	...	4,670	...	518	6	195	(a) 5,389	...	1,210	...	30,700
Punjab	2,438	...	...	2,438	36	244	...	4,018	6,700	173	31	...	2,198
Burma	10,272	1,923	112	12,083	43	4,277	7,792	4,075	28,227	482	759	1,463	57,756
Federated Shan State	1,090	3	...	1,093	38	69	119	1,589	2,870	129	...	...	...
Bihar and Orissa	969	524	...	1,484	53·42	...	...	1,294	2,778	348	348	...	1,358
Assam	238	1	1	238	...	783	2,666	17,808	21,495	...	...	...	...
Central Provinces	16,072	513	1	16,584	84	478	821	1,788	19,671	1,642	2,126	...	3,036
Coorg	520	...	10 acres	520	...	...	...	...	520	...	...	...	...
North-West Frontier Province	236	...	...	236	100	...	...	...	236	97	51	26	570
Ajmer	142	...	...	142	...	...	...	...	142	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	...	...	...	...	...	...
Andamans	708	137	137	708	....	...	...	1,494	2,202	...	...	...	...
Madras	6,097	192	...	6,289	...	2,184	4,342	6,205	18,941	...	...	...	...
Bombay	7,872	276	279	7,869	63	868	1,048	2,762	12,547	1,453	1,705	4	13,683
Total 1924-25	51,313	3,580	530	54,354	44·6	9,421	16,794	41,228	121,718	4,323	6,230	1,493	1,09,301
,, 1923-24	56,056	3,449	659	58,846	44·9	9,493	16,303	46,465	131,107	6,536	5,805	3,520	1,19,133
,, 1922-23	57,463	768	1,598	56,633	25·6	8,303	19,540	139,228	220,712	9,332	6,623	1,706	94,505
,, 1921-22	58,955	2,172	108	61,019	24·5	7,113	18,184	163,188	249,504	11,744	6,105	46	52,387
,, 1920-21	59,455	1,593	1,464	59,584	23·8	8,013	18,491	164,385	250,473	8,766	4,578	2,898	51,445

(a) Excludes the area of 1,917 square miles of new reserves which if added to figures shown in column 10 will agree with the total area of reserved forests shown in Statement I.

STATEMENT VI.

Expenditure on communications and buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads and paths.	Buildings.	Roads and Paths.		
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	54,715	24,096	41,073	26,344	9,865	1,56,093
United Provinces	55,914	45,896	1,13,386	1,73,978	22,817	4,11,991
Punjab	11,831	5,679	20,680	25,326	4,933	68,449
Burma	2,76,122	1,81,580	88,959	1,02,403	49,637	6,98,701
Federated Shan States	9,017	5,571	5,250	1,570	1,154	22,562
Bihar and Orissa	52,298	25,413	33,130	44,887	9,128	1,64,856
Assam	44,462	20,925	38,736	66,600	15,777	1,86,500
Central Provinces	59,972	65,562	62,229	59,991	25,854	2,73,608
Coorg	10,538	8,132	5,036	16,177	4,056	43,939
North-West Frontier Province	6,638	27,460	2,959	2,867	1,002	40,926
Ajmer	1,217	245	151	206	5,691	7,510
Baluchistan	...	52	260	18	...	330
Andamans	46,207	9,107	70	445	14,193	70,022
Madras	1,47,726	1,30,897	65,365	1,11,178	16,387	4,71,553
Bombay	95,818	1,14,974	33,690	75,568	21,272	3,41,322
Total 1924-25	8,72,475	6,65,589	5,10,974	7,07,558	2,01,766	29,58,362
„ 1923-24	6,96,715	6,85,990	4,79,350	6,77,862	1,73,548	27,13,465
Total „ 1922-23	8,05,788	10,00,959	4,70,949	6,66,099	2,99,615	32,43,410
„ 1921-22	14,21,419	9,54,239	4,69,804	6,75,470	1,92,675	37,13,607
„ 1920-21	13,73,451	8,96,500	3,55,044	5,90,017	1,40,735	33,55,747

STATEMENT VII.

Breaches of forest rules.

Province.	Cases pending from 1923-24.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Conviction.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bengal . . A.	57	3	148	19	18	188	245	135	362	27	110	162	472	66
B.	194	6	1,101	1,487	1,073	3,667	3,861	3,790	7,098	12	31	3,802	7,129	55
C.	...	68	58	9	21	156	156	...	...	...	...	...	...	...
Total .	251	77	1,307	1,515	1,112	4,011	4,262	3,925	7,460	39	141	3,964	7,601	121
United Provinces. A.	77	31	66	37	64	198	275	149	347	48	295	197	642	78
B.	161	64	1,481	2,111	388	4,044	4,205	3,637	9,265	330	743	3,967	10,008	238
C.	...	158	85	32	10	285	285	...	...	...	...	...	...	...
Total .	238	253	1,632	2,180	462	4,527	4,765	3,786	9,612	378	1,038	4,164	10,650	316
Punjab . . A.	325	7	395	289	598	1,289	1,614	703	4,162	65	394	768	4,556	823
B.	901	23	2,870	5,465	1,965	10,323	11,224	10,007	11,298	1	1	10,008	11,299	1,126
C.	...	166	13	18	13	210	210	...	...	...	...	...	...	...
Total .	1,226	196	3,278	5,772	2,576	11,822	13,048	10,710	15,460	66	395	10,77	15,855	1,949
Burma . . A.	523	3	679	7	163	852	1,375	1,010	1,722	115	240	1,125	1,962	...
B.	1,640	110	5,320	309	1,580	7,319	8,959	6,672	9,263	...	...	6,672	9,263	...
C.	...	8	56	...	22	86	86	...	...	...	...	...	...	...
Total .	2,163	121	6,055	316	1,765	8,257	10,420	7,682	10,985	115	240	7,797	11,225	2,230
Federated Shan States. A.	...	...	1	...	4	5	5	4	8	1	4	5	12	...
B.	22	...	92	35	39	166	188	178	251	...	...	178	251	2
C.	...	...	...	...	..	...	...	...	...	...	...	...	...	...
Total .	22	...	93	35	43	171	193	182	259	1	4	183	263	2
Bihar and Orissa A.	46	6	116	32	45	199	247	164	02	28	115	192	717	39
B.	88	10	1,096	274	46	1,426	1,514	1,411	3,870	...	...	1,411	3,870	98
C.	...	130	...	...	...	130	130	...	...	...	...	...	...	...
Total .	136	146	1,212	306	91	1,755	1,891	1,575	4,472	28	115	1,603	4,587	137
Assam . . A.	88	...	121	23	61	205	293	204	563	28	114	232	677	61
B.	61	...	617	154	299	1,070	1,131	1,040	2,217	...	...	1,040	2,217	91
C.	...	3	1	...	...	4	4	...	...	...	...	...	...	...
Total .	149	3	739	177	360	1,279	1,428	1,244	2,780	28	114	1,272	2,894	152
Central Provinces. A.	36	31	87	148	24	290	326	202	388	85	322	287	710	39
B.	2,097	131	6,840	7,270	842	15,083	17,180	15,384	40,900	2	4	15,386	40,904	1,789
C.	...	441	559	167	62	1,229	1,229	...	...	...	...	...		...
Total .	2,133	603	7,486	7,585	928	16,602	18,735	15,586	41,288	87	326	15,673	41,614	1,828
Coorg . . A.	1	...	3	...	...	3	4	1	1	...	...	1	1	2
B.	...	...	3	...	3	6	6	6	7	...	...	6	7	...
C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total .	1	...	6	...	3	9	10	7	8	...	...	7	8	2
North-West Frontier Province. A.	123	45	196	163	5	409	532	363	890	16	49	379	939	142
B.	...	3	767	1,582	12	2,364	2,364	2,365	3,956	...	...	2,365	3,956	...
C.	...	28	9	8	...	45	45	...	...	...	...	...	...	...
Total .	123	76	972	1,753	17	2,818	2,941	2,728	4,846	16	49	2,744	4,895	142

STATEMENT VII—*contd.*

Breaches of Forest rules—contd.

Province.		Cases pending from 1923-24.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Totals.		
									Cases.	Persons	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ajmer	A.	1	...	2	7	4	13	14	11	30	...	...	11	30	3
	B.	...	20	366	878	15	1,279	1,279	1,270	2,497	9	15	1,279	2,512	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	1	20	368	885	19	1,292	1,293	1,281	2,527	9	15	1,290	2,542	3
Baluchistan	A.	5	...	19	4	3	26	31	25	37	4	8	29	45	2
	B.	...	4	81	143	3	228	228	228	241	...	...	228	241	...
	C.	...	3	...	...	...	3	3	...	...	...	...	...	...	...
	Total	5	7	100	147	6	257	262	253	278	4	8	257	286	2
Andamans	A.	...	...	4	...	...	4	4	4	6	...	...	4	6	...
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	4	...	...	4	4	4	6	...	...	4	6	...
Madras	A.	4,320	42	6,634	2,505	291	9,472	13,792	7,682	21,031	3,514	9,254	11,196	30,285	2,596
	B.	4,068	106	15,140	4,864	1,122	21,232	25,300	19,536	40,775	1,688	4,070	21,224	44,845	4,076
	C.	...	972	412	37	39	1,460	1,460	...	...	...	...	...	...	...
	Total	8,388	1,120	22,186	7,406	1,452	32,164	40,552	27,218	61,806	5,202	13,324	32,420	75,130	6,672
Bombay	A.	134	35	198	87	38	358	492	312	776	44	109	356	885	132
	B.	1,473	218	6,463	5,823	1,225	13,729	15,202	13,976	35,548	...	...	13,976	35,548	1,169
	C.	...	1,464	1,303	26	37	2,830	2,830	...	...	...	...	...	...	...
	Total	1,607	1,717	7,964	5,936	1,300	16,917	18,524	14,288	36,324	44	109	14,332	36,433	1,301
Grand Total	A.	5,738	203	8,669	3,321	1,318	13,511	19,249	10,969	30,925	3,975	11,01	14,944	41,939	3,983
	B.	10,705	753	42,237	30,395	8,612	81,936	92,641	79,500	167,186	2,042	4,864	81,542	172,050	8,642
	C.	...	3,441	2,496	297	204	6,438	6,438	...	...	...	...	...	...	...
	Total	16,443	4,397	53,402	34,013	10,134	101,885	118,328	90,469	198,111	6,017	15,878	96,486	213,989	12,625
Total 1923-24		15,048	4,157	52,745	31,136	9,335	97,373	112,421	84,266	193,224	4,998	14,497	89,264	207,721	16,105*
,, 1922-23		14,973	4,298	49,505	30,611	7,875	92,289	105,279	80,456	182,488	4,956	13,913	85,412	196,401	14,936
,, 1921-22		15,160	5,598	46,437	27,682	8,820	88,597	103,757	76,078	182,377	4,171	14,924	80,249	197,301	15,060
,, 1920-21		14,000	3,786	33,779	25,412	6,322	69,299	83,299	60,089	145,249	2,532	7,561	62,621	152,810	1 511 6

N.B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

* Burma has not shown separately "A" and "B" in column 15. It has given the figures for the total of pending cases at the close of the year as 2,165.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1923-24.	1924-25.	
Bengal	1,246	1,223	23·7	5·5	1·8	
United Provinces	3,593	3,479	49·5	6·8	3·2	
Punjab	1,217	1,193	73·6	3·9	1·9	
Burma	144	131	0·5	11·4	8·8	
Federated Shan States	3	3	0·1	...	...	
Bihar and Orissa	1,520	1,409	85·4	10·5	7·3	
Assam	12	11	0·2	8·3	8·3	
Central Provinces	6,857	6,386	34·3	7·5	6·8	
Coorg	154	153	29·6	8·1	0·6	
North-West Frontier Province	78	68	33·1	9·3	12·8	
Ajmer	141	141	99·3	0·3	...	
Madras	18,464	18,221	97·6	5·1	1·3	
Bombay	10,772	10,429	78·0	21·7	3·2	
Total 1924-25	44,201	42,847	42·6	10·0	3·1	
„ 1923-24	44,528	42,571	43 0	10·0	4·4	
„ 1922-23	41,857	30,189	41·5	5·6	27·9	
„ 121-22	45,957	42,266	44·3	5·0	8·0	
„ 1920-21	45,779	43,225	44·2	5·1	5·6	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in Departmental Fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal	...	...	13	2	26	12	1	...	26	9	66	23
United Provinces	29	6	38	7	122	21	64	35	50	46	303	115
Punjab	14	...	15	2	99	2	78	19	20	2	226	25
Burma	11	1	12	2	16	2	14	3	20	5	73	13
Federated Shan States	...	...	...	...	...	2	...	...	...	...	...	...
Bihar and Orissa	14	15	29	41	20	8	3	2	42	45	108	111
Assam	...	...	...	...	...	...	6	1	...	...	6	1
Central Provinces	18	6	90	52	128	63	9	5	305	345	550	471
Coorg	...	...	4	...	...	...	...	...	7	1	11	1
North-West Frontier Province	...	...	16	4	15	...	44	6	...	...	75	10
Ajmer	2	1	1	...	11	...	2	...	4	...	20	1
Baluchistan	...	...	...	...	1	...	1	...	3	...	5	...
Andamans	...	...	...	...	...	...	...	...	...	...	...	...
Madras	41	8	87	17	206	94	258	52	411	83	1,063	254
Bombay	54	12	142	33	583	89	103	21	856	196	1,737	351
Total 1924-25	183	49	447	160	1,283	291	583	144	1,744	732	4,243	1,376
„ 1923-24	106	32	331	199	803	228	384	87	15,750	877	3,194	1,423
„ 1922-23	191	62	560	399	1,037	367	1,290	784	2,125	1,084	5,017	2,489
„ 1921-22	240	101	716	655	1,229	491	1,497	1,169	2,525	1,448	6,207	3,864
„ 1920-21	225	113	511	660	1,034	320	676	514	1,945	1,051	4,391	2,658

STATEMENT X.

Area closed and open to grazing.

Area in Square Miles.

Province.	Closed to all animals.		Open to grazing.				Total area.
	Whole year.	Part of year.	Of all animals.		Of all animals except browsers (camels, sheep and goats.)		
			Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
Bengal	6,241	...	3,865	...		63	10,242
United Provinces	2,194	69	4,201	10	823	8	7,305
Punjab	448	50	5,533	135	384	150	6,700
Burma	21,217	...	65	162	2,256	2,527	31,115
Federated Shan States	2,202	...	...	...	549	2,137	...
Bihar and Orissa	706	...	162	221	1,645	42	2,776
Assam	4,367	59	15,467	...	1,599	3	21,495
Central Provinces	3,382	16	4,326	16	11,877	70	19,687
Coorg	88	419	...	...	13	419	939
North-West Frontier Province	53	1	8	...	175	...	237
Ajmer	17	121	...	...	3	121	262
Baluchistan	192	...	96	8	13	4	313
Andamans	52	...	...	...	372	...	424
Madras	2,441	1,052	14,674	17	947	96	19,227
Bombay	2,256	249	3,445	...	9,053	...	15,003
TOTAL 1924-25	45,856	2,036	51,842	569	29,782	5,640	135,725
1923-24	46,212	1,704	51,129	595	27,865	5,301	132,806
1922-23	45,228	1,911	143,661	680	27,945	5,188	224,613
1921-22	47,000	2,237	166,670	652	27,619	5,326	249,504
1920-21	46,835	2,515	167,139	955	26,959	6,141	250,544

STATEMENT XI.

PROTECTION FROM CATTLE.

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
1	2	3	4	5	6	7	8	9	10	11
Bengal	5,881	1,543	287	...	55	97	21,650	...	...	3
United Provinces	68,618	161,780	138,704	2,806	1,871	6,934	22,066	4,819	63	254
Punjab	11,608	24,711	388,193	58,197	250	693	9,045	485,886	678	152
Burma	6,813	27,264	1	...	35	12	...	...	...	...
Federated Shan States	801	2,980	...	...	15	...	...	...	...	...
Bihar and Orissa	8,528	35,307	2,320	5	...	6,930	12,256	...	...	...
Assam	9,023	2,622	184	...	299	593	177	27	...	...
Central Provinces	258,266	728,299	416,857	9	3,276	129,995	7,756,607	2,130	...	155
Coorg	342	3,379	...	...	...	...	...	...	...	...
North-West Frontier Province	529	510	290	...	1	...	...	...	...	...
Ajmer	762	7,932	...	...	...	3,601	14,482	...	...	...
Baluchistan	40	1,049	5,635	...	115	...	...	...	...	...
Madras	66,170	104,494	501,965	...	90	12,629	130,615	86,531	...	...
Bombay	166,262		97,933	746	7,460	1,208,962		450,734	...	6,072
Total 1924-25	1705,573		1,552,369	61,763	13,467	9,337,344		1,030,127	741	6,636
„ 1923-24	614,261	2,001,330	1,553,633	67,871	13,025	1,351,497	2,033,470	900,337	1,247	4,129
„ 1922-23	232,301	1,030,338	1,016,118	50,915	11,212	179,885	1,807,728	890,578	1,491	5,262
„ 1921-22	384,102	1,394,579	1,060,663	15,812	10,704	322,002	2,712,765	743,156	1,223	5,761
„ 1920-21	483,688	1,343,327	953,766	20,662	12,289	255,600	2,819,343	602,187	1,628	6,581

MENT XI.

from cattle.

Grazed free, number of animals.										Total number animals grazed.
By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	782	3,187	47	...	7	33,539
39,973	464,804	50,983	...	1,445	7,259	35,474	61,128	1	149	1,069,122
131,650	650,573	1,298,309	285	184,458	4,033	23,158	105	267	2,773	3,275,084
150,550	277,766	35	...	1,053	16,513	1,235	...	550	13,122	494,949
1,884	10,099	...	...	...	1,496	...	...	...	298	17,573
46,227	243,160	54,491	...	...	357	1,446	980	...	3	412,010
29	88	...	...	...	5,166	8,217	2,752	...	...	29,177
...	375	...	...	...	1,629	228,472	383	...	74	6,527
100	674	...	...	...	...	11,704	...	...	...	16,199
5,366	6,699	..	...	...	8,344	13,554	...	...	...	35,293
...	...	...	...	...	167	1,289	...	...	...	28,233
...	3,310	53,226	1	1,193	...	...	...	...	...	64,569
991	5,805	2,793	...	...	11,544	120,820	82,333	...	...	1,126,180
9,825	24,288	...	...	44	509,355		699	782	2,602	2,485,764
386,595	1,687,641	1,459,837	286	188,193	1,014,592		148,427	1,600	19,028	18,614,219
367,107	1,739,979	1,444,557	286	188,014	562,726	404,343	65,603	1,461	17,116	13,331,992
365,575	1,789,026	1,441,645	286	189,217	128,484	615,890	68,244	1,226	19,043	9,844,464
378,662	2,029,210	1,464,585	473	188,086	155,000	834,991	168,524	5,516	21,255	11,897,069
406,376	1,778,504	1,440,990	287	188,166	222,779	1,393,225	210,512	2,300	13,943	12,159,153

STATEMENT XII.

Progress on reproduction and afforestation.

Province.	Area in acres at close of the year.		Cost of operations during the year.	
	Area on which regeneration is complete.	Plantations not under working plans.	Area on which regeneration is complete and in progress.	Plantations not under working plans.
(1)	(2)	(3)	(4)	(5)
			Rs.	Rs.
Bengal	12,553	2,800	60,591	2,721
United Provinces	2,368,853	7,062	81,560	20,170
Punjab	4,927	19,907	7,204	126,0 61
Burma	21,648	95,333	70,897	72,8 92
Federated Shan States	377	...	915	...
Bihar and Orissa	50,380	3,642	5,133	6,212
Assam	...	5,908	20	10,571
Central Provinces	5,106	12,457	287	948
Coorg	2,179	6,323	5,213	5,645
North-West Frontier Province	...	120	3,549	314
Ajmer	658	...	26	...
Baluchistan	...	...	...	...
Andamans	...	4,178	...	1,687
Madras	24,880	31,099	33,367	41,106
Bombay	131,200	372,633	36,508	18,163
Total 1924-25	2,622,761	227,605	305,270	306,497

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average Outturn Per Square Mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	(a) 28,302,000	4,03,794	1,437,000	16,409	500,000	26,307	30,239,000	4,46,501	5,374	76	844	9	156	8	2,973	42
United Provinces	(b) 38,940,000	18,46,813	3,000	673	63,000	4,879	39,006,000	18,52,365	5,362	254	750	168	1,615	125	5,339	253
Punjab . .	(b) 11,709,000	(b) 12,79,688	17,026,000	10,16,041	5,658,000	2,51,712	34,393,000	25,47,441	7,083	774	3,891	232	8,419	374	5,133	380
Burma . .	37,803 000	4,76,747	...	...	65,238,000	5,01,822	103,041,000	9,78,569	1,339	16	...	...	683	5	825	7
Federated Shan States *.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bihar and Orissa.	4,402,000	96,565	6,901,000	1,88,772	1,000	...	11,304,000	2,85,337	2,468	54	6,942	189	1,000	...	4,069	103
Assam .	‡ 7,471,000	‡ 1,89,118	...	...	11,551,000	502,470	19,022,000	(‡) 6,91,588	1,265	32	...	...	740	32	884	32
Central Provinces	39,392,000	24,15,371	...	24,625	...	3,75,885	39,392,000	28,15,881	2,002	122	...	...	...	...	2,002	143
Coorg . .	165,760	24,120	135,649	332	...	...	301,409	24,452	318	46	...	...	...	...	579	48
North-West Frontier Province.	4,002,000	55,431	...	...	...	...	4,002,000	55,431	169	234	...	...	...	...	16	226
Ajmer . .	316,614	50,363	...	...	...	...	316,614	50,363	2,229	354	...	...	...	...	2,229	354
Baluchistan .	57,240	43,010	...	...	372,081	27	429,321	43,037	182	137	...	...	788	...	547	54
Andamans . .	430,380	3,311	...	...	1,144,066	3,165	1,574,456	6,476	8,276	63	...	...	532	1	710	3
Madras . .	(b) 15,798,000	18,47,592	...	...	6,584,000	99,218	22,382,000	19,46,810	894	97	...	...	21,170	322	1,163	101
Bombay . .	(b) 48,839,000	19,69,276	1,031,000	64	17,000	...	(c) 49,887,000	19,69,340	3,535	142	857	...	...	...	3,321	131
Total 1924-25 .	237,628,004	1,07,01,199	26,533,649	12,46,907	91,128,147	17,65,485	2,55,289,800	1,37,13,591	2,290	103	3,205	151	773	15	1,110	60
,, 1923-24 .	243,014,669	1,10,36,255	27,542,607	18,66,904	83,129,605	19,33,131	353,686,881	1,48,36,290	2,349	107	3,473	235	708	16	1,545	65
,, 1922-23 .	221,168,091	1,15,54,229	37,957,254	11,87,870	90,833,629	18,29,419	349,958,974	1,45,71,518	2,191	114	5,244	164	786	16	1,564	65
,, 1921-22 .	218,580,978	1,06,97,572	35,535,818	13,10,719	107,266,278	17,98,973	361,383,074	1,38,07,264	2,108	103	4,701	174	776	13	1,448	55
,, 1920-21 .	185,012,636	1,00,06,763	34,539,446	12,06,466	79,101,307	23,90,398	298,653,989	1,36,00,627	1,788	97	4,595	161	567	17	1,192	54

* Figures not given

(a) Includes leased lands.

(b) ,, ,, forests.

‡ Excludes shared forests.

† Includes Guzara forests.

(c) Sandal wood—

Kh. M. lbs.

212 18 27¾.

323 trees, 81 branches,

150 roots, 31 cartloads Kodlichalao.

STATEMENT XIV.

Forest produce removed by different agencies.

Part I.—Timber and Fuel.

Province.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	414,000	17,440,000	25,000	...	17,879,000	392,000	11,369,000	699,000	...	12,360,000
United Provinces	682,000	9,666,000	161,000	825,000	11,334,000	301,000	11,853,000	827,000	14,691,000	27,672,000
Punjab	1,685,000	2,350,000	95,000	915,000	5,045,000	2,038,000	3,431,000	37,000	23,782,000	29,348,000
Burma	4,695,000	36,477,000	391,000	1,259,000	42,822,000	3,590,000	44,352,000	131,000	4,132,000	52,205,000
Federated Shan States	...	...	...	...	...	...	...	...	...	...
Bihar and Orissa	23,000	1,901,000	19,000	268,000	2,211,000	120,000	3,681,000	16,000	5,276,000	9,093,000
Assam	457,000	9,349,000	642,000	...	10,448,000	295,000	4,806,000	3,992,000	7,000	9,100,000
Central Provinces	4,072,000	7,438,000	276,000	50,000	11,836,000	2,653,000	22,885,000	1,481,000	537,000	27,556,000
Coorg	77,135	72,324	...	...	149,459	39,725	112,225	...	...	151,950
North-West Frontier Province	634	30	18	4	686	1,030	747	1,223	316	3,316
Ajmer	...	2,809	...	108	2,917	97,273	316,423	...	...	313,696
Baluchistan	330	9,677	1,638	...	11,645	18,769	398,427	480	...	417,676
Andamans	1,069,861	3,160	36,675	24,124	1,133,820	413,350	9,960	293,400	126,160	842,870
Madras	1,472,000	3,162,000	292,000	28,000	4,954,000	1,415,000	15,965,000	47,000	1,000	17,428,000
Bombay	1,669,000	4,181,000	233,000	7,000	5,990,000	5,158,000	32,298,000	14,000	6,427,000	43,897,000
Total 1924-25	16,316,960	91,952,000	2,172,331	3,376,236	113,817,527	16,592,147	151,277,782	7,539,103	54,979,476	230,388,508
Total 1923-24	15,289,026	88,667,774	2,102,118	4,160,117	110,219,035	16,743,146	159,147,925	8,076,182	60,347,876	244,315,129
,, 1922-23	14,974,963	86,531,547	2,116,348	4,017,237	107,640,095	19,778,094	140,514,225	10,524,440	71,949,129	242,665,879
,, 1921-22	16,809,862	96,612,588	2,434,884	4,041,720	119,899,054	21,780,923	136,780,927	14,205,170	68,730,000	241,497,020
,, 1920-21	13,256,619	72,374,084	1,940,100	3,131,627	90,702,430	16,893,042	114,656,636	11,759,881	64,660,000	207,969,559

* And also Sandalwood—
Khs. m. lbs.
216 14 15
444 rejected.
c. ft. 185 trees,
352 roots,
12 billets.

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—*contd.*

Part II.—Value of minor forest produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal . . .	615	95,987	1,128	...	97,730	...	29,816	20,819	...	50,635	2,224	2,86,880	9,232	...	2,98,136
United Provinces .	230	1,80,517	74	6,946	1,87,767	7,693	2,12,301	12,952	3,01,824	5,34,770	6,67,682	3,97,314	10,410	54,422	11,29,828
Punjab . . .	45,164	842	134	304	46,444	178	1,83,429	37,403	20,01,254	22,22,264	2,13,235	18,329	2,182	44,987	2,78,733
Burma . . .	323	2,81,747	522	10,735	2,93,327	...	19,291	73,392	1,48,885	2,41,568	3,959	4,07,158	1,089	33,761	4,45,967
Federated Shan States.	...	7,885	...	2,055	9,940	...	5,427	4,763	6,808	16,999	1,362	3,08,843	8	15,528	3,25,736
Bihar and Orissa .	12,645	46,260	265	25,071	84,241	...	11,918	1,073	1,12,939	1,25,930	4,556	51,565	99	18,946	75,166
Assam . . .	46	64,441	19,417	...	83,904	...	27,237	19,970	119	47,326	4,553	3,82,096	1,81,836	...	5,68,485
Central Provinces .	3,560	4,01,775	6,291	3,084	4,14,570	3,192	17,22,533	1,39,061	1,008	18,65,794	1,07,196	4,06,568	18,653	3,100	5,35,517
Coorg . . .	...	2,263	...	...	2,263	...	1,040	...	...	1,040	...	21,149	...	...	21,149
North-West Frontier Province.	...	...	...	...	...	...	1,044	18,513	5,713	25,270	23,916	6,110	35	100	30,161
Ajmer . . .	1	661	...	...	662	2,958	9,553	1,388	36,526	50,425	677	2,599	...	...	3,276
Baluchistan . .	...	...	...	...	...	...	863	...	41,470	42,333	29	486	561	...	1,076
Andamans . .	237	45	1,223	139	1,644	...	...	...	...	...	631	106	4,034	647	5,418
Madras . . .	37,905	3,02,596	4,219	136	3,44,856	51	8,18,104	12,500	5,354	8,36,009	43,539	7,19,045	2,361	1,000	7,65,945
Bombay . .	...	1,22,210	316	9,809	1,32,335	73	9,09,979	45,475	5,98,737	15,54,264	14,538	2,36,573	2,976	28,654	2,82,741
TOTAL 1924-25 .	1,00,726	15,07,229	33,499	58,229	16,99,688	14,145	39,52,535	3,87,309	32,60,637	76,14,626	10,88,097	32,44,621	2,33,471	2,01,145	47,67,334
TOTAL 1923-24 .	1,45,443	16,09,620	31,164	60,123	18,46,350	31,810	37,71,856	3,79,092	35,43,406	77,25,664	8,58,414	39,13,483	2,25,883	2,72,513	52,70,293
,, 1922-23 .	95,105	15,19,146	33,488	1,18,401	17,71,140	17,576	34,64,968	4,47,417	34,91,293	74,21,164	19,99,668	29,57,079	2,47,056	1,79,594	53,83,397
,, 1921-22 .	76,395	13,32,686	26,292	68,565	15,05,934	29,359	27,61,431	3,75,444	33,63,375	65,50,109	23,37,078	26,83,135	3,21,970	4,12,088	57,54,271
,, 1920-21 .	83,354	13,40,193	24,389	59,117	12,07,053	40,851	34,03,389	8,01,609	30,14,370	72,60,219	20,28,005	25,73,501	2,99,280	2,37,569	51,33,355

STATEMENT XV.

Exports of forest produce.

Articles of forest produce.	Quantity in tons of 20 cwt. in the case of teak and other timbers, cubic tons.		Valuation at port of shipment in 1924-25.	
	Average of 5 years 1919-20 to 1923-24.	In 1924-25.	Total.	Per ton.
(1)	(2)	(3)	(4)	(5)
			Rs.	Rs.
Caoutchouc, raw	5,853	8,038	1,42,94,317	1,778
Lac — Button	704	1,081	44,50,122	4,117
Lac — Shell	17,797	16,360	6,25,63,343	3,824
Lac — Stick, seed and other kinds	2,311	3,910	84,92,741	2,172
Cutch and gambier	2,110	2,678	11,40,148	426
Myrabolams	66,554	66,968	79,35,561	118
Cardamums	374	244	15,91,893	6,524
Sandal, Ebony and other ornamental woods	474	824	15,98,369	1,940
Teak	35,439	47,455	1,16,28,082	245
Other timbers	*	*	6,37,740	...
TOTAL 1924-25	...	...	11,43,32,816	...
,, 1923-24	...	...	12,44,54,366	...
,, 1922-23	...	...	12,79,97,378	...
,, 1921-22	...	...	9,98,56,627	...
,, 1920-21	...	...	10,94,79,350	...

* Quantity not recorded.

STATEMENT XV (*a*).

Year (calendar).	Imports of timber into British India, 1921-1925.		Imports of sleepers of wood † for railways into British India, 1921-1925.	
	Cubic tons.	Rs.	Tons.	Rs.
1921	56,938	88,73,323	23,681	46,78,556
1922	39,277	49,13,195	18,926	29,44,791
1923	30,427	39,75,721	29,447	39,25,249
1924	60,759	32,68,227	645	87,662
1925	‡31,156	‡28,70,856	14,238	14,91,246

† Includes sleepers of Jarrah and other wood.

‡ Represents figures of teak, deal and pinewood and jarrah wood only from April, 1925.

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	3,934	16,292	18,428	29,956	9,232	77,842
United Provinces	94,501	1,32,124	7,020	3,14,776	64,012	6,12,433
Punjab	54,107	6,71,025	438	20,38,657	47,169	28,11,396
Burma	1,12,076	1,729	522	73,392	1,089	1,88,808
Federated Shan States	5,097	...	...	4,763	3	9,863
Bihar and Orissa	35,527	1,70,366	25,336	1,16,167	18,188	3,65,584
Assam	40,605	56,813	19,394	20,089	1,81,859	3,18,760
Central Provinces	25,116	78,824	9,981	11,50,577	17,814	12,82,312
Coorg	...	...	...	3,132	...	3,132
North-West Frontier Province	4,933	43,296	...	24,226	135	72,590
Ajmer	...	...	...	37,914	...	37,914
Baluchistan	354	45	...	469	92	960
Andamans	11,589	2,512	1,362	...	4,681	20,144
Madras	48,303	1,186	4,285	14,079	3,286	71,139
Bombay	32,759	1,39,637	10,125	6,44,212	31,630	8,58,363
TOTAL 1924-25	4,68,901	13,13,849	96,891	44,72,409	3,79,190	67,31,240
TOTAL 1923-24	4,76,177	14,88,577	91,096	34,80,661	3,97,733	59,34,244
,, 1922-23	5,75,162	18,05,969	1,98,619	46,44,162	4,34,589	76,58,501
,, 1921-22	6,16,536	24,89,425	1,50,459	46,16,914	6,96,935	85,70,269
,, 1920-21	5,05,706	23,82,766	1,54,418	18,47,013	8,96,897	87,86,800

STATEMENT XVII.

Details of revenue and expenditure for the Forest year 1924-25.

			Rs.	Percentage of each item to total.
Gross Receipts	(a) Wood		4,51,97,332	79·6
	(b) Minor forest produce		39,72,346	7·0
	(c) Forest stamps and Commutation fees for forest produce		1,77,427	0·3
	(d) Grazing		39,95,820	7·0
	(e) Revenue from forests not managed by Government		3,80,185	0·6
	(f) Miscellaneous		30,21,572	5·6
		Total Revenue	5,67,44,682	—
Expenditure	A. Recurring	(a) Administration. (i) Superior Staff; (ii) Subordinate Staff (including Rangers, Foresters and Guards); (iii) Office Establishments (including Contingencies).	1,73,08,724	48·8
		(b) Working (1) Extraction	96,24,583	27·1
		(2) Roads and Buildings	25,71,835	7·2
		(3) Fire protection	3,36,938	0·9
		(4) Cultural operations	10,43,595	2·9
		(5) Live-stock, stores and plant	9,94,514	2·8
		(6) Working-Plans	1,33,843	0·3
		(7) Rent for leased forests	3,52,823	0·9
		(8) Miscellaneous	6,92,012	1·9
		(c) Expenditure on realization of revenue from forests not managed by Government.	26,781	0·0
		(d) Forest Science and Education (including all "A" and "B" charges of Imperial Forest College and Research Institute.*	8,26,365	2·3
		Total	3,39,12,013	—
	B. Extraordinary	(e) Forest Settlement	44,876	0·1
		(f) Forest Survey	4,69,235	1·3
		(g) Forest Demarcation	1,27,233	0·3
		(h) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.	8,78,621	2·4
		Total	15,19,965	—
		GRAND TOTAL OF EXPENDITURE	3,54,31,978 (a)	—
		Net Revenue	2,13,12,704 (b)	—

* Expenditure under this head in provinces has been included in (a) Administration.

(a) This includes an excess of Rs. 1,64,095 which should be deducted to arrive at the correct figure.

(b) This excludes Rs. 1,64,095 which should be added to arrive at the true net revenue.

STATEMENT XVIII.

SUMMARY OF REVENUE AND EXPENDITURE OF THE FOREST DEPARTMENT IN INDIA FOR THE FINANCIAL YEAR 1924-25.

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma (Includes Federated Shan States and Backward tracts.)	Bihar and Orissa (Includes Angul Division.)	Assam.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	17,791	4,12,173	11,46,156	24,32,592	56,03,156	37,977	4,91,333
II.—Timber and other produce removed from the forests by consumers or purchasers.	12,369	19,74,365	54,84,020	5,93,104	1,32,97,012	10,04,626	16,12,178
III.—Drift and waif wood and confiscated forest produce.	...	11,772	19,291	40,145	3,74,310	82	17,815
IV.—Revenue from forests not managed by Government.	...	...	28,350	3,048	2,00,138	...	90,677
V.—Miscellaneous	...	76,919	2,44,170	6,58,423	2,03,208	27,583	2,66,753
Total Revenue .	30,100	24,75,529	69,21,987	37,27,312	1,96,77,824	10,70,268	24,78,756
EXPENDITURE.							
A.—Conservancy and Works.							
I.—Timber and other produce removed from the Forest by Government Agency.	4,540	2,90,284	7,36,196	9,21,905	27,06,641	19,696	3,42,319
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,78,226	1,38,678	2,418	2,86,760	28,389	30,909
III.—Drift and waif wood and confiscated forest produce.	...	1,271	695	12,804	1,53,228	6	879
IV.—Revenue from forests not managed by Government.	...	...	22,590	...	3,898	...	98
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	1,568	1,41,265	86,886	...	...	41,052
VI.—Live-stock, stores, tools and plant . .	...	28,416	97,325	20,439	2,64,141	13,746	30,392
VII.—Communications and buildings . .	1,514	1,63,269	4,11,943	72,966	5,11,777	1,69,963	1,87,001
VIII.—Demarcation, improvements and extension of forests.	552	1,25,935	3,43,051	1,96,508	7,61,468	46,201	28,077
IX.—Miscellaneous	...	21,126	32,141	2,04,152	2,35,130	10,963	21,285
Total A.—Conservancy and Works .	6,606	7,40,095	19,23,885	15,18,078	49,23,043	2,88,964	6,82,012
B.—Establishments.							
Total B.—Establishments (includes salaries, Travelling and other allowances and contingencies.)	1,61,989	6,61,492	17,01,097	10,73,713	47,59,702	4,89,607	6,18,894
Total gain or loss by exchange on English transactions, interest on capital outlay, etc.	...	15,884	59,023	22,697	1,09,663	11,826	29,947
Grand Total of Expenditure .	1,68,595	14,17,471	36,84,005	26,14,488	(a) 97,92,408	7,90,397	13,30,853
Surplus .	...	10,58,058	32,37,982	11,12,824	98,85,417	2,79,871	11,47,903
Deficit .	1,38,495	...	...	...	...	...	...
Proportion of surplus to gross revenue . .	...	42	46	29	50	26	46
Net revenue per square mile of forest area under control of Forest Department.	...	104	443	166	79	100	53

(a) These figures include an excess of Rs. 1,64,095 which

MENT XVIII.

Forest Department in India for the financial year 1924-25.

Central Provinces.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Madras.	Bombay.	Total.
9	10	11	12	13	14	15	16	17	18
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
7,38,724	6,20,742	6,12,822	26,311	4,169	7,21,034	...	20,71,449	23,94,252	1,73,30,981
41,51,697	47,611	33,074	33,194	4,176	498	...	29,21,845	45,96,066	3,57,65,775
2,177	187	1,006	1	55	25	...	19,519	3,771	4,90,236
27,799	...	2,005	...	10,532	...	...	....	17,636	3,80,185
3,12,235	—510	20,860	6,556	1,661	4,040	1,02,579	5,56,789	2,96,239	27,77,505
52,32,632	6,68,030	6,69,767	66,062	20,593	7,25,597	1,02,579	55,69,682	73,07,964	5,67,44,682
2,26,903	62,787	3,83,896	12,373	1,895	7,41,140	...	5,96,503	12,00,587	81,77,665
2,18,402	...	53	758	...	311	...	1,66,040	40,684	10,91,578
184	...	21	...	...	...	...	710	300	1,70,098
...	...	...	...	195	...	...	...	...	26,781
3,722	...	17,838	107	...	...	...	13,463	46,922	3,52,823
53,360	57,118	5,110	880	138	1,33,390	27,447	2,12,760	49,852	9,94,514
2,46,998	47,223	40,834	6,789	330	67,100	5,733	4,19,144	2,19,250	25,71,835
2,57,376	25,074	3,958	2,733	1,052	44,886	...	1,68,380	1,50,469	21,55,720
56,966	6,676	19,548	587	546	25,508	1,69,516	28,720	1,52,494	9,85,358
10,63,911	1,98,878	4,71,258	24,227	4,156	10,12,335	2,02,696	16,05,720	18,60,508	1,65,26,372
20,61,899	1,56,625	1,17,455	24,898	26,322	1,41,355	6,23,669	31,36,603	23,67,943	1,81,23,263
46,053	3,248	...	...	...	...	...	3,30,136	1,53,866	7,82,343
31,71,863	3,58,751	5,88,713	49,125	30,478	11,53,690	8,26,365	50,72,459	43,82,317	3,54,31,978 (a)
20,60,769	3,09,279	81,054	16,937	...	...	...	4,97,223	29,25,647	2,26,12,964
...	...	...	...	9,885	4,28,093	7,23,786	...	...	13,00,259
39	46	12	25	...	...	...	8	40	...
104	594	330	119	...	...	...	25	194	...

should be deducted to arrive at the correct figures.

STATE

Revenue of the Forest Department throughout India for the 26 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878 79,	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	2,175	31,717	25,429	10,866	5,147	9,688	6,090
Bengal†	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910
United Provinces	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740
Punjab	6,87,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770
Burma	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100
Central Provinces and Berar	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490
Coorg	92,491	78,887	1,03,170	1,13,024	1,53,136	1,33,476	1,62,410
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	65	1,152	4,475	11,859	15,233	14,162	10,270
Baluchistan	...	...	8,556	10,973	17,998	15,330	17,060
Andamans	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600
Imperial Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210
Forest Surveys (Imperial)	...	17	139	206	668	300	420
Madras	6,03,243	5,88,389	8,06,020	13,00,481	17,14,328	31,10,988	23,02,290
Bombay	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200
GRAND TOTAL	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	7,666	8,189	10,632	8,662	10,680	12,837	11,471	12,047
Bengal†	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496
United Provinces	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235
Punjab	14,57,449	12,88,792	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943	14,38,065
Burma	86,63,989	91,92,032	93,58,077	1,00,70,117	99,67,594	1,09,22,393	1,14,25,430	97,07,694
Bihar and Orissa	...	...	...	...	4,07,213	4,38,958	4,91,735	5,49,779
Assam‡	14,30,447	14,46,368	15,54,732	18,90,635	11,46,320	11,42,091	10,97,969	8,32,877
Central Provinces and Berar	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529
Coorg	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237
North-West Frontier Province	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,013
Ajmer	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170
Baluchistan	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058
Andamans	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248
Imperial Forest College and Research Institute.	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617
Forest Surveys (Imperial)	...	...	...	...	...	...	...	...
Madras	38,93,830	38,90,919	41,78,381	36,80,411	41,68,921	41,12,473	42,00,320	39,41,537
Bombay	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242
GRAND TOTAL	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545	2,97,09,784

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests,
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX.

from 1899-1900 to 1924-25 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

NUE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
2,463	3,484	3,659	7,455	3,768	7,255	...	Imperial.*
12,33,339	12,92,237	12,56,247	10,65,523	11,67,472	11,18,542	10,65,859	Bengal.†
15,65,463	17,15,508	20,25,324	20,80,446	23,97,318	24,33,428	25,02,664	United Provinces.
13,50,842	14,47,558	15,86,408	17,17,797	18,74,443	17,81,653	16,05,284	Punjab.
80,54,444	58,73,938	67,39,053	82,68,535	89,59,756	1,03,29,869	98,12,519	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
5,49,521	5,12,963	5,80,200	6,75,732	8,15,677	11,06,096	13,20,592	Assam.‡
12,65,614	15,79,116	16,84,428	19,98,032	20,13,459	24,49,131	24,01,159	Central Provinces and Berar.
1 37,596	1,70,242	1,90,730	2,24,031	1,93,087	2,45,419	2,35,909	Coorg.
...	13,012	1,01,123	1,01,833	90,991	1,28 529	1,83,214	North-West Frontier Province.
10,646	6,865	9,736	13,884	17,297	15,002	18,335	Ajmer.
16,956	14,712	19,336	18,363	22,555	21,481	21,195	Baluchistan.
2,77,886	2,66,903	3,26,035	4,32,381	6,20,796	5,82 511	6,07,027	Andamans.
3,697	3,545	3,252	3,038	3,557	3,080	4,579	Imperial Forest College and Research Institute.
327	473	3,034	431	...	...	...	Forest Surveys (Imperial).
23,40,170	25,43,430	26,13,819	26,57,727	28,29,216	29,67,604	32,90,669	Madras.
29,61,529	23,79,729	23,29,156	27,51,589	30,20,558	38,84,993	34,22,481	Bombay.
1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950	2,66,74,593	2,64,91,486	Grand Total.

1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
23,457	24,546	51,720	27,488	24,527	27,122	27,803	26,553	29,551	30,100	Imperial.*
11,45,610	13,38,779	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226	22,61,515	24,75,529	Bengal.†
37,38,831	50,40,932	61,16,697	66,37,166	74,71,954	87.79,781	86,46,677	83,72,803	73,56,029	69,21,987	United Provinces.
17,27,283	16,87,801	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443	43,86,533	37,27,312	Punjab.
96,99,217	1,23,79,531	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952 (a)	1,94,92,399 (a)	1,96,77,824 (a)	Burma.
5,17,727	5,29,081	7,53,625	9,44,763	8,17,458	8,10,602	90,00,373	8,81,904	10,29,085	10,70,268	Bihar and Orissa.
10,55,052	11,48,621	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,13,853	19,74,292	24,78,756	Assam.‡
32,78,262	33,71,578	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979	51,04,929	52,32,632	Central Provinces and Berar.
4,49,155	4,87,314	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653	7,00,947	6,68,030	Coorg.
1,86,815	2,40,985	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659	5,33,331	6,69,767	North-West Frontier Province.
23,445	21,272	27,733	37,280	34,914	48,112	40,812	43,978	55,422	66,062	Ajmer.
21,633	18,277	17,934	25,108	17,937	22,544	17,2:9	14,939	22,403	20,593	Baluchistan.
4,34,784	6,49,711	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027	6,11,382	7,25,597	Andamans.
6,995	8,199	8,304	9,083	8,308	12,648	24,117	1,84,763	1,67,339	1,02,579	Imperial Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
41,06,838	45,96,126	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956	54,15,557	55,69,682	Madras.
47,91,263	55,19,177	63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384	71,49,604	73,07,964	Bombay.
3,11,16,367	3,70,61,930	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072	5,62,90,319	5,67,44,682	Grand Total.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home Charges.
Orissa.
to Bengal.

STATE

Expenditure of the Forest Department throughout India for the 26 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550
Bengal†	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210
United Provinces	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380
Punjab	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460
Burma	4,02,847	8,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140
Central Provinces and Berar	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820
Coorg	40,684	36,591	62,248	73,907	77,016	82,146	74,220
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	6,197	18,692	13,197	17,620	14,061	16,722	15,350
Baluchistan	...	...	12,594	16,130	39,452	33,508	28,680
Andamans	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940
Imperial Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550
Forest Surveys (Imperial)	11,911	63,288	40,447	24,477	24,491	31,936	33,980
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530
Bombay	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430
GRAND TOTAL	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478
Bengal†	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157	6,70,935
United Provinces	11,94,013	12,22,436	12,09,308	12,37,938	13,63,673	16,29,264	18,96,014	23,17,740
Punjab	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302
Burma	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447
Bihar and Orissa	...	...	...	...	3,00,916	3,75,894	3,55,648	3,84,371
Assam‡	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339
Central Provinces and Berar	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569
Coorg	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,883
North-West Frontier Province	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023	1,25,539
Ajmer	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,733
Baluchistan	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000
Andamans	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056
Imperial Forest College and Research Institute.	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091
Forest Surveys (Imperial)	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353
Madras	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685
Bombay	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877	24,87,925
GRAND TOTAL	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests,
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX—*contd.*

from 1899-1900 to 1924-25 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

DITURE.

1900-01.	1901-02.	1902-03.	1303-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,578	79,539	85,017	89,345	83,058	83,767	95,472	Imperial.*
5,70,806	6,57,131	6,38,014	7,03,508	6,88,589	5,93,509	6,33,386	Bengal.†
9,63,439	10,08,739	10,13,998	10,81,438	13,91,583	14,05,182	13,06,651	United Provinces.
8,87,343	9,38,335	9,60,095	11,56,415	10,12,354	12,65,664	11,44,403	Punjab.
26,54,717	26,46,457	28,90,263	33,52,404	34,46,924	39,38,063	36,59,753	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
3,47,972	3,29,112	3,27,498	4,25,484	5,03,636	5,93,910	7,07,860	Assam.‡
11,65,866	12,00,904	12,57,288	12,80,966	13,20,615	13,07,153	13,42,898	Central Provinces and Berar.
70,905	82,333	89,437	92,191	83,820	95,748	1,02,855	Coorg.
...	19,510	54,086	60,603	74,958	95,258	92,650	North-West Frontier Province.
16,782	15,927	16,377	16,680	15,641	17,131	16,715	Ajmer.
29,254	24,480	23,240	21,697	24,672	25,743	26,322	Baluchistan.
1,40,137	2,04,667	2,81,702	2,66,121	3,42,431	3,35,985	2,95,136	Andamans.
71,238	76,290	66,338	59,339	61,424	80,669	1,37,486	Imperial Forest College and Research Institute.
33,991	33,730	36,985	33,935	28,229	30,044	30,389	Forest Surveys (Imperial).
17,15,431	17,09,554	18,35,552	17,50,930	19,86,098	22,26,602	24,80,660	Madras.
24,08,581	17,19 680	16,76.441	17,75,937	19,03,804	21,26,093	19,90,183	Bombay.
1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856	1,42,58,521	1,40,63,79	Grand Total.

1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1,09,502	1,03,248	90,332	1,10,638	1,32,777	1,68,993	2,57,011	4,33,494	1,44,489	1,68,595	Imperial.†
5,93,635	6,19,649	7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	12,31,249	12,42,672	14,17,471	Bengal.†
25,66,307	27,35,915	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486	43,50,695	36,84,005	United Provinces.
9,23,878	9,34,662	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871 (a)	29,16,035 (a)	26,14,488 (a)	Punjab.
48,86,241	49,36,588	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149	1,03,02,159	96,28,313	Burma.
3,61,550	4,47,972	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531	7,50,657	7,90,397	Bihar and Orissa.
7,55,214	6,76,033	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634	11,59,845	13,30,853	Assam.‡
17,34,336	17,68,775	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417	30,41,108	31,71,863	Central Provinces and Berar.
1,76,633	1,60,492	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007	5,65,598	3,58,751	Coorg.
1,04,795	1,18,070	1,53,875	2,07,357	3,01,453	4,54,197	7,49.384	6,12,383	4,58,567	5,88,713	North-West Frontier Province.
25,152	26,634	26,504	28,508	47,282	37,417	41,320	39,840	49,454	49,125	Ajmer.
27,995	26,929	29,990	28,787	25,314	28,761	53,275	36,468	31,440	30,478	Baluchistan.
4,30,832	4,28,652	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184	8,96,214	11,53,690	Andamans.
2,78,518	3,05,498	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39.586	7,75,642	8,26,365	Imperial Forest College nnd Research Institute.
48,663	47,407	56,597	59,110	59,953	90,448	1,07,113	1,19,935	95,944	...	Forest Surveys (Imperial).
29,27,318	28,42,678	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463	46,33,826	50,72,459	Madras.
26,42,038	25,64,681	33,53,714	78,72,197	59,18,682	53,05,022	50,23,946	40,14,344	44,01,024	43,82,317	Bombay.
1,85,92,607	1,87,43,883	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041	3,58,15,369	3,52,67,883	Grand Total.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 26 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700
United Provinces	2,93,974	3,31,941	2,95,957	5,45,627	7,42,767	5,96,746	6,72,360
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310
Burma	4,91,451	6,16,896	9,75,844	11,78,894	33,06,271	44,94,900	53,64,610
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960
Central Provinces and Berar	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080
Baluchistan	...	...	—4,038	5,157	—21,454	—18,178	—11,620
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660
Imperial Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70 340
Forest Surveys (Imperial)	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560
Madras	1,46,409	11,413	1,95,360	2,32,960	4,29,215	6,04,232	6,48,760
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770
Grand Total	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,980

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431
Bengal†	4,84,256	6,09,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561
United Provinces	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495
Punjab	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703
Burma	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247
Bihar and Orissa	...	...	...	...	1,06,297	63,064	1,36,087	1,65,408
Assam‡	6,30,074	5,55,019	5,22,191	8,(3,295	3,05,307	3,33,180	1,87,729	—65,462
Central Provinces and Berar	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960
Coorg	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404
North-West Frontier Province	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420
Ajmer	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437
Baluchistan	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322	—6,942
Andamans	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192
Imperial Forest College Research Institute.	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474
Forest Surveys (Imperial)	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353
Madras	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,80,852
Bombay	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317
Grand Total	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334

*Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
†Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX—*concld.*

from 1899-1900 to 1924-25 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

PLUS.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—81,115	—76,055	—81,358	—81,890	—79,290	—76,512	—95,472	Imperial.*
6,62,533	6,35,106	6,18,233	3,62,015	4,78,883	5,25,033	4,32,473	Bengal.†
6,02,034	7,06,769	10,11,326	11,99,008	10,05,735	10,28,246	11,96,013	United Provinces.
4,63,499	5,09,223	6,26,313	5,61,382	8,62,089	5,17,989	4,60,881	Punjab.
53,99,727	32,27,481	38,48,790	49,16,131	55,12,832	63,91,806	61,52,766	Burma.
...	...	...	...	...	...	...	Bihar and Crissa.
2,01,549	1,83,851	2,52,701	2,50,248	3,12,021	5,12,186	6,12,732	Assam.‡
99,748	3,78,212	4,27,140	7,17,066	6,92,844	11,41,978	10,58,281	Central Provinces and Berar.
66,691	87,909	1,01,293	1,31,840	1,09,267	1,49,671	1,33,054	Coorg.
...	6,498	47,038	41,230	16,033	33,271	89,564	North-West Frontier Province.
—6,136	—9,062	—6,641	2,796	1,656	—2,129	1,620	Ajmer.
—12,298	—9,768	—3,904	3,334	—2,117	—4,262	—5,127	Baluchistan.
1,37,749	62,236	44,333	1,61,260	2,78,365	2,46,526	3,11,891	Andamans.
—67,541	—72,745	—63,086	—56,301	—57,867	—77,589	—1,32,907	Imperial Forest College and Research Institute.
—33,664	—33,257	—30,951	—33,504	—28,229	—30,044	—30,389	Forest Surveys (Imperial).
6,24,739	8,33,876	7,78,267	9,06,797	8,43,118	7,01,002	8,10,009	Madras.
5,52,948	6,60,040	6,52,715	9,75,602	11,16,954	13,58,900	14,32,298	Bombay.
86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094	1,24,16,072	1,24,27,687	Grand Total.

1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—86,045	—78,702	—38,612	—83,150	—1,08,250	—1,41,871	—2,29,208	—4,06,941	—1,14,938	—1,38,495	Imperial.*
5,51,975	7,19,130	6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	10,79,977	10,18,843	10,58,058	Bengal.†
11,72,524	23,05,017	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317	30,05,334	32,37,982	United Provinces.
3,03,405	7,53,139	9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	—14,62,428	14,70,498 (a)	11,12,824 (a)	Punjab.
48,12,976	74,42,943	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803 (a)	91,90,240 (a)	1,00,49,511 (a)	Burma.
1,56,177	81,109	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373	2,78,428	2,79,871	Bihar and Orissa.
2,99,888	4,72,588	6,23,329	8,01,757	6,59,873	5,65,343	3,05,616	5,99,219	8,14,447	11,47,903	Assam.
15,43,926	16,02,803	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562	20,63,821	20,60,769	Central Provinces and Berar.
2,72,522	3,26,822	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646	1,35,349	3,09,279	Coorg.
82,020	1,22,915	1,83,836	1,73,965	1,61,088	—2,34,418	—1,74,531	1,15,276	74,765	81,054	North-West Frontier Province.
—1,707	—5,362	1,229	8,772	—12,368	10,695	—508	4,138	5,968	16,937	Ajmer.
—6,362	—8,652	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529	—9,037	—9,885	Baluchistan.
3,952	2,21,059	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157	—2,84,852	—4,28,093	Andamans.
—2,71,523	—2,97,299	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823	—6,08,303	—7,23,786	Imperial Forest College and Research Institute.
—48,663	—47,407	—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935	—95,944	...	Forest Surveys (Imperial).
11,79,520	17,53,448	24,38,140	16,08,940	25,40,891	8,50,760	—2,46,185	4,83,493	7,81,731	4,97,223	Madras.
20,59,225	29,54,496	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040	27,48,580	29,25,647	Bombay.
1,25,23,760	1,83,18,047	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,59,02,031	2,04,74,950	2,14,76,799	Grand Total.

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Orissa.
to Bengal.

MGIPC—S5—IV-1-1—21-12-26—240.

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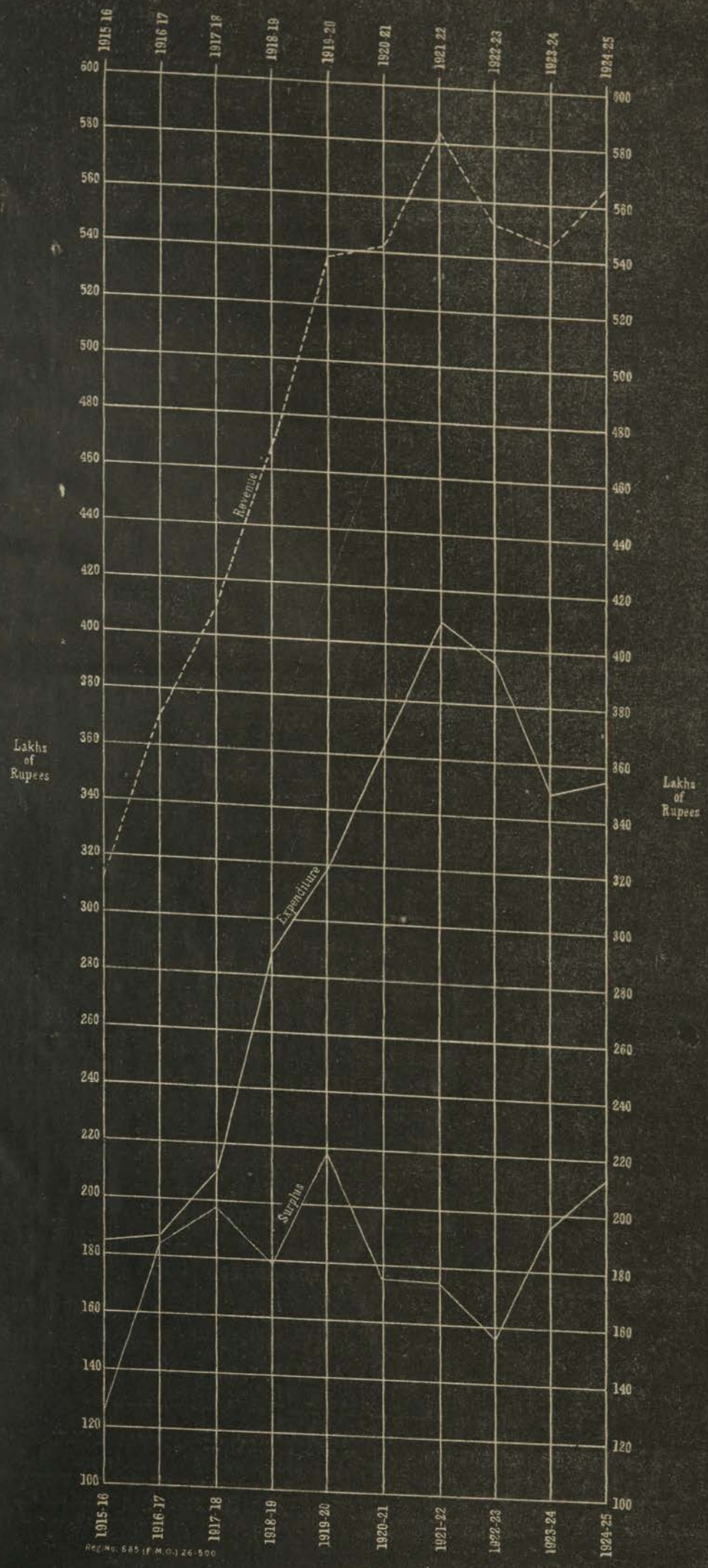
ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS
FOR THE 10 YEARS 1915-16 TO 1924-25



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APPENDIX.

Diagram showing annual forest revenue, expenditure and surplus for the years 1916-17 to 1925-26.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
1	2	3	4	5	6	7	8
Bengal	76,755	(a) 5,278	(b) 1,806	3,445	10,529	13·7	(a) Excludes 22 square miles of reserved forests not under the management of the Forest Department. (b) Excludes 51 square miles of other protected forests not under the control of the Forest Department.
United Provinces	106,720	(c) 5,185	4	39	5,228	4·8	(c) Includes 13 square miles of leased forests.
Punjab	97,281	(d) 1,652	(e) 4,37z	671	6,695	6·8	(d) Includes 354 square miles of leased forests but excludes 499 square miles of reserved forests not under the control of the Forest Department. (e) Excludes 71 square miles not under the control of the Forest Department. (f) Includes 155·5 square miles subject to *taungya* privileges.
Burma	182,614	28,372	...	95,374	123,746	67·7	
Federated Shan States	60,593	(f) 3,088	...	(g) 21,542	24,630	40·6	(g) Excludes area without Forest growth 22,202 square miles.
Bihar and Orissa	32,939	1,785	(h) 994	1	2,780	8·3	(h) Excludes 929 square miles not under the control of the Forest Department.
Assam	51,825	5,957	...	14,814	20,771	40·0	
Central Provinces (including Berar).	99,927	(i) 19,677	...	...	19,677	19·6	(i) Includes 174 square miles of leased forests.
Coorg	1,582	519	...	...	519	32·8	
North-West Frontier Province.	13,099	(j) 236	(k)	9	245	1·8	(j) Excludes 14 square miles of Civil and Military Reserved Forests. (k) 121 square miles of civil protected forests are not shown.
Ajmer	2,767	142	...	...	142	5·1	
Baluchistan (portions under British Administration	54,228†	313	...	472	785	1·4	
Andamans and Nicobar	3,143†	52	...	2,139	2,191	69·7	
Madras	143,290	19,012	...	(l) 328	19,340	13·5	(l) Reserved lands.
Bombay (including Sind)	123,125	13,773	1,229	...	(m) 15,002	12·1	
Total 1925-26	1,099,888‡	105,041	8,405	138,834	252,280	22·9	(m) Includes 2,710 sq. miles of reserved and protected forests not under the management of the Forest Department.
,, 1924-25	1,099,972‡	103,764	8,278	117,854	229,896	20·8	
		2,870	...	21,575	24,445	...	
,, 1923-24	1,100,112	103,449	7,931	117,470	228,850	20·8	
,, 1922-23	1,100,902	100,922	7,238	115,544	223,704	20·3	
,, 1921-22	1,098,341	103,789	7,550	138,165	249,504	22·7	

† Figures taken from the Census Report of 1921.

‡ Excluding Delhi Province and Pargana Manpur.

STATEMENT II.

Progress made in Forest Settlements during the year 1925-26.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
1	2	3	4	5	6	7
				Rs.	Rs.	Rs.
Bengal	12	...	104	2,072	...	...
United Provinces	...	...	1	...	...	...
Punjab	...	...	...	...	...	...
Burma	6	1,623	368	7,620	...	...
Federated Shan States	207	207	...	120	...	...
Bihar and Orissa	2	20	...	...	...	...
Assam	54	97	114	26	...	...
Central Provinces	...	...	...	...	...	...
Coorg	...	...	...	...	...	...
North-West Frontier Province	...	...	...	...	...	...
Ajmer	...	...	...	...	...	...
Baluchistan	...	313	...	...	...	...
Andamans	...	52	...	...	...	...
Madras	12	105	30	247	...	...
Bombay	49	103	49	47	...	...
Total 1925-26	342	2,520	666	10,132	...	...
1924-25	651	2,662	1,056	11,003	...	15
1923-24	944	3,854	667	9,940	...	...
1922-23	478	3,627	629	27,219	...	...
1921-22	480	4,081	489	38,807	...	...

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
	Miles	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal	73	918	1,047	2,038	116	1,159	3,313	1,118	7,456
United Provinces	25	2,154	8,043	10,222	290	2,877	13,389	2,189	17,299
Punjab	...	1,377	7,183	8,560	1	1,418	9,979	...	5,522
Burma	127	3,345	13,954	17,426	186	3,246	20,858	1,506	33,464
Federated Shan States	...	407	844	1,251	...	570	1,821	...	2,505
Bihar and Orissa	2	3,097	1,665	4,764	6	378	5,148	292	2,250
Assam	12	1,239	1,243	2,494	8	2,251	4,753	...	7,601
Central Provinces	21	8,129	22,711	30,860	111	3,289	34,260	432	16,330
Coorg	...	...	...	480	...	56	536	...	1,445
North-West Frontier Province.	...	229	548	777	...	139	916	...	1,163
Ajmer	...	48	195	243	...	158	401	...	287
Baluchistan	...	...	460	460	...	77	537	...	...
Andamans	...	...	...	36	36	23	59	...	...
Madras	116	22,561	9,312	31,987	550	2,413	34,950	3,765	7,394
Bombay	62	25,453	12,299	37,814	101	2,778	40,693	547	3,041
Total 1925-26	438	68,957	79,504	149,412	1,405	20,872	171,613	9,849	1,05,757
Total 1924-25	903	69,697	78,784	149,863	1,606	21,228	192,697	17,101	1,00,429
Total 1923-24	650	66,450	82,091	149,670	1,399	19,739	170,808	15,953	98,420
Total 1922-23	403	66,742	82,665	149,809	1,456	19,273	170,547	12,311	1,08,537
Total 1921-22	962	67,045	83,123	151,130	1,527	19,870	172,527	31,056	99,918

STATEMENT IV.*

Forest survey operations from 1st April 1925 to 31st March 1926.

Province.	Forest Surveyed.	Nature of survey operations. 1" Detail survey. Area.	1" Detail survey. Cost rate.	2" Detail survey. Area.	2" Detail survey. Cost rate.	4" Detail survey. Area.	4" Detail survey. Cost rate.	Total area of detail survey. 1925-26.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping and publishing charges debitable to "Forests."	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Andamans	...	...	...	...	...	...	...	...	527	.....	
Assam	Sadiya	85·0	...	...	...	...	...	85·0	5,193	.....	Cost of surveys not debitable to "Forests."
Bengal	...	...	...	...	...	...	...	...	3,265	.....	
Bihar and Orissa	Chaibassa	0·7	...	...	...	...	...	0·7	1,806	280 8 0	Cost of surveys not debitable to "Forests."
N.-W. F. P.	Hazara	...	...	...	...	...	...	...	445	897 0 0	
Baluchistan	...	...	...	...	...	...	...	...	2·7	.....	
Punjab	...	...	...	...	...	...	...	...	4,365	873 10 0	
United Provinces.	Banda	0·2	...	...	...	...	...	0·2	7,133	1,201 2 0	Cost of surveys not debitable to "Forests."
Ajmer	...	...	...	...	...	...	...	...	144	.....	
Madras	...	...	...	...	...	...	...	...	18,057	.....	
India	...	...	...	...	...	...	...	...	...	3,831 10 0	
Coorg	...	...	...	...	...	...	...	...	478	.....	
Central Provinces.	Balaghat	...	...	...	...	...	...	...	19,535	(a) 864 6 0	(a) Includes Rs. 594 cost of surveys completed in 1924-25.
	S. Mandla	...	...	...	...	(b) 1·2	26·5	1·2			(b) Cost of surveys will be recovered from Central Provinces Forest Department in 1926-27.
Bombay	W. Nasik	...	...	...	...	43·3	163·1	43·3	18,037	9,399 0 0	The area entered under 4 inch survey against Kolaba was surveyed on the 8 inch scale.
	Poona	...	...	...	...	3·7	76·2	3·7			The area entered under 4 inch survey against Kolaba was surveyed on 8 inch scale.
	Kolaba	...	...	...	...	1·9	314·5	1·9			

STATEMENT IV—*contd.*

Forest survey operations from 1st April 1925 to 31st March 1926—*contd.*

Province.	Forest Surveyed.	Nature of survey operations. 1″ Detail survey. Area.	1″ Detail survey. Cost rate.	2″ Detail survey. Area.	2″ Detail survey. Cost rate.	4″ Detail survey. Area.	4″ Detail survey. Cost rate.	Total area of detail survey. 1925-26.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping and publishing charges debitable to "Forests."	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Burma	S Arakan	26·0	...	...	...	...	...	26·0			Cost of surveys not debitable to "Forests."
	Henzada-Ma-Ubin	270·3	..	86·0	67·5	...	...	356·3			
	Northern Shan States	...	...	...	...	7·5	321·2	7·5			
	Thaungyin	...	...	...	...	10·0	198·0	10·0			
	Thaton	...	...	...	...	92·7	199 2	92·7			
	Yamethin	...	...	92·0	...	86·8	* 226·9	178·8			* For 2″ and 4″ survey, 8 sq. miles of unclassed forests and 39 linear miles of boundary surveyed on 4 inch scale were also completed
	Pyinmana	...	...	36·7	226·4	...	...	36 ·7			26 linear miles of boundary was surveyed on the 4 inch scale, 275 linear miles of boundary and supplementary traverse were also done.
	Magwe	...	...	...	...	...	...	...	22,388	2,29,635 14 0	
	Meiktila	...	...	...	...	...	...	...			327 linear miles of boudary was surveyed on the 4″ scale.
	Allanmyo	...	...	...	...	54·2	483·3	54·2			Excludes 1 sq. mile of unclassed forests.
	Prome	...	...	...	...	96·6	278·6	96·6			20 8 linear miles of theodolite and plane-table traverse were also done. Includes 0·1 sq. mile surveyed on 16″ =1 mile.
	Insein	...	...	...	...	...	...	...			Forest boundary traverse records.
	N. Toungoo	...	...	...	...	1·0	...	1·0			3 linear miles boundary survey of 4 exclusions on the 8″ scale were also done.
	N. Pegu	...	...	...	...	10·5	315·6	10·5			
	1925-26 1st April 1925 to 31st March 1926.	382	...	215	...	409	...	1,006	96,600	2,46,983 2 0	Rs. The charges for mapping, publishing, etc., exclude Forest Map Office Head Quarter charges . 36,000
Total	1924-25 1st April 1924 to 31st March 1925.	756	...	61	...	395	...	1,212	95,594	2,05,175 11 0	Ditto 30,000
	1923-24 1st April 1923 to 31st March 1924.	281	...	924	...	25	...	2,568	94,382	5,24,078 0 0	Ditto 92,254
	1922-23 1st April 1922 to 31st March 1923.	831	...	649	...	10	...	1,507	91,814	2,23,205 0 0	Ditto 92,124
	1921-22 1st April 1921 to 31st March 1922.	319	...	1,413	...	64	...	1,796	90,307	1,77,130 0 0	Ditto 86,991

STATEMENT V.

Progress made in working plans.

Province.	Area under sanctioned working plans.					Area not under working plans.				Revisions.			
	At commencement of the year.	Added during the year.	Deducted during the year.	At close of year.		Plans under preparation.	Plans not under preparation.			Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.	Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.		Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	6,802	...	...	6,279	59	...	...	3,763	10,602 (a)	192	368	...	12,046
United Provinces	4,670	33	146	4,557	...	486	28	7	5,228	...	1,644	143	52,333
Punjab	2,437	...	...	2,437	36	134	141	3,983	6,695	197	204	...	3,102
Burma	12,083	23	3	12,103	43	6,057	6,718	3,494	28,372 (b)	106	3,255	35	93,031
Federated Shan States	1,093	...	...	1,093	38	81	137	1,777	3,088 (b)	184	...	...	2
Bihar and Orissa	1,484	...	...	1,484	53·4	...	...	1,296	2,780	348	116	...	114
Assam	238	3	3	238	...	530	2,920	17,083	20,771	801	...	...	92
Central Provinces	16,584	...	2	16,582	84	478	851	1,766	19,677	1,641	1,178	...	3,118
Coorg	520	...	1	519	...	...	...	...	519	...	...	...	...
North-West Frontier Province	236	...	...	236	100	...	...	...	(b) 236	76	21	51	57
Ajmer	142	...	...	142	...	...	...	...	142	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	785	785	...	...	...	...
Andamans	708	...	...	708	78	305	1,126	52	2,191	...	...	...	...
Madras	6,632	23	...	6,655	...	2,127	4,479	5,836	19,097 (c)	...	...	...	...
Bombay	7,810	221	114	7,917	63	657	1,042	2,919	12,535 (d)	1,150	1,914	25	10,691
TOTAL 1925-26	61,439	303	269	60,950	46·2	10,855	17,442	42,761	132,68- (b)	4,795	8,700	254	1,74,586
,, 1924-25	51,313	3,530	530	54,354	44·6	9,421	16,794	41,228	121,718	4,323	6,230	1,493	1,09,301
,, 1923-24	56,056	3,449	659	58,846	44·9	9,493	16,303	46,465	131,107	6,536	5,805	3,520	1,19,133
,, 1922-23	57,463	768	1,598	56,633	25·6	8,303	19,540	139,228	220,712	9,332	6,623	1,706	94,505
,, 1921-22	58,955	2,172	108	61,019	24·5	7,113	18,184	163,188	249,504	11,744	6,105	46	52,387

(a) Includes the area of 22 square miles of reserved forests and 51 square miles of other protected forests, which if added to figures shown in column 6 of Statement I will agree with this total.

(b) Excluding unclassed forests.

(c) Includes 85 square miles of reserved lands under working plans, which if added to figures shown in column 6 of Statement I will agree with this total

(d) Includes 243 square miles of Kanara Coast Division, which if added to figures shown in column 6 of Statement I will agree with this total.

STATEMENT VI.

Expenditure on communications and buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads and paths.	Buildings.	Roads and paths.		
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs	Rs.
Bengal	17,158	6,286	42,138	29,428	10,633	1,05,643
United Provinces	54,953	31,547	1,09,212	1,36,822	20,895	3,53,429
Punjab	15,211	9,028	24,897	24,188	5,533	78,857
Burma	1,27,455	2,49,583	91,274	1,19,503	70,825	6,58,640
Federated Shan States	2,454	4,188	5,357	1,175	1,815	14,989
Bihar and Orissa	51,681	18,518	25,492	48,103	9,266	1,53,060
Assam	28,043	21,593	39,017	97,560	14,680	2,00,893
Central Provinces	1,22,771	57,745	63,567	72,867	28,936	3,45,886
Coorg	7,434	9,202	5,241	6,423	1,734	30,034
North-West Frontier Province	9,000	10,334	3,255	4,000	840	27,429
Ajmer	1,320	121	101	1,012	389	2,943
Baluchistan	108	60	308	36	...	512
Andamans	7,634	...	1,108	389	2,858	11,989
Madras	71,584	47,775	70,229	1,01,822	29,274	3,20,684
Bombay	59,961	1,16,858	37,055	1,25,146	21,820	3,60,840
Total 1925-26	5,76,767	5,82,838	5,18,251	7,68,474	2,19,498	26,65,828
,, 1924-25	8,72,475	6,65,589	5,10,974	7,07,558	2,01,766	29,58,362
,, 1923-24	6,96,715	6,85,990	4,79,350	6,77,862	1,73,548	27,13,465
,, 1922-23	8,05,788	10,00,959	4,70,949	6,66,099	2,99,615	32,43,410
,, 1921-22	14,21,419	9,54,239	4,69,804	6,75,470	1,92,675	37,13,607

STATEMENT VII.

Breaches of forest rules.

Province.		Cases pending from 1924-25.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Conviction.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bengal	A.	55	...	127	10	28	165	220	107	268	21	70	128	338	82
	B.	66	1	1,325	1,353	885	3,564	3,630	3,524	6,485	8	8	3,532	6,493	96
	C.	...	30	58	6	7	101	101	...	...	...	...	...	...	...
	Total	121	31	1,510	1,369	920	3,830	3,951	3,631	6,753	29	78	3,660	6,831	178
United Provinces.	A.	58	6	66	59	32	163	221	114	228	32	86	146	314	75
	B.	230	58	1,733	2,073	366	4,230	4,460	3,664	9,360	491	1,133	4,155	10,493	305
	C.	...	51	108	17	18	194	194	...	...	...	...	...	...	...
	Total	288	115	1,907	2,149	416	4,587	4,875	3,778	9,588	523	1,219	4,301	10,807	380
Punjab	A.	821	10	599	417	311	1,337	2,158	1,204	2,501	114	647	1,318	3,148	795
	B.	1,129	25	3,279	6,353	2,606	12,263	13,392	12,398	20,013	...	...	12,398	20,013	981
	C.	...	112	19	12	5	148	148	...	...	...	...	...	...	...
	Total	1,950	147	3,897	6,782	2,922	13,748	15,698	13,602	22,514	114	647	13,716	23,161	1,776
Burma	A.	...	2	814	32	229	1,077	1,300	1,107	1,743	144	278	1,251	2,021	...
	B.	...	12	5,380	118	1,949	7,459	9,263	7,058	9,397	...	...	7,058	9,397	...
	C.	...	3	37	2	24	66	66	...	...	...	...	...	...	...
	Total	*2,227	17	6,231	152	2,202	8,602	10,829	8,165	11,140	144	278	8,309	11,418	*2,082
Federated Shan States.	A.	...	...	...	...	2	2	2	2	2	...	...	2	2	...
	B.	2	...	65	36	49	150	152	124	194	...	...	124	194	12
	C.	...	1	...	...	..	1	1	...	...	...	...	...	...	...
	Total	2	1	65	36	51	153	155	126	196	...	...	126	196	12
Bihar and Orissa	A.	44	5	114	22	41	182	226	145	412	41	158	186	570	32
	B.	92	4	1,472	275	81	1,792	1,884	1,801	5,400	1	1	1,802	5,401	79
	C.	...	67	...	...	...	67	67	...	...	...	...	...	...	...
	Total	136	76	1,586	297	122	2,041	2,177	1,946	5,812	42	159	1,988	5,971	111
Assam	A.	52	1	95	10	61	167	219	120	255	27	301	147	556	72
	B.	91	1	1,193	179	367	1,740	1,831	1,318	2,097	11	27	1,329	2,124	502
	C.	...	2	...	...	...	2	2	...	...	...	...	...	...	...
	Total	143	4	1,288	189	428	1,909	2,052	1,438	2,352	38	328	1,476	2,680	574
Central Provinces.	A.	39	20	74	103	44	241	280	145	334	110	342	255	676	25
	B.	1,754	172	7,476	8,000	1,057	16,705	18,459	15,983	40,772	7	10	15,990	40,482	2,469
	C.	...	351	578	83	30	1,042	1,042	...	...	...	...	...	...	...
	Total	1,793	543	8,128	8,186	1,131	17,988	19,781	16,128	41,106	117	352	16,245	41,158	2,494
Coorg	A.	2	...	...	...	2	2	4	2	2	...	...	2	2	2
	B.	...	...	1	4	4	9	9	9	10	...	...	9	9	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	2	...	1	4	6	11	13	11	12	...	...	11	11	2
North-West Frontier Province.	A.	142	2	92	130	46	270	412	247	552	44	145	296	697	88
	B.	...	1	1,103	1,803	3	2,910	2,910	2,910	4,434	...	...	2,910	4,436	...
	C.	...	6	3	4	...	13	13	...	...	...	...	...	...	...
	Total	142	9	1,198	1,937	49	3,193	3,335	3,157	4,986	44	145	3,206	5,133	88

* Burma has not shown separately "A", "B" and "C" in columns 2 and 15. It has given the totals only.

STATEMENT VII—*contd.*

Breaches of Forest rules—contd.

Province.		Cases pending from 1924-25.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Totals.		
									Cases.	Persons	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ajmer	A.	3	...	2	5	3	10	13	11	17	...	4	11	21	2
	B.	...	12	328	1,457	12	1,809	1,809	1,805	3,579	5	9	1,810	3,588	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	3	12	330	1,462	15	1,819	1,822	1,816	3,596	5	13	1,821	3,609	2
Baluchistan	A.	2	...	10	7	2	19	21	15	27	3	3	18	30	3
	B.	...	1	43	151	11	206	206	206	246	...	...	206	246	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	2	1	53	158	13	225	227	221	273	3	3	224	276	3
Andamans	A.	...	...	5	...	...	5	5	5	12	...	...	5	12	...
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	5	...	...	5	5	5	12	...	...	5	12	...
Madras	A.	3,284	106	5,708	1,962	264	8,040	11,324	6,020	14,972	3,226	9,133	9,246	24,105	2,078
	B.	3,235	441	14,135	4,865	1,437	20,878	24,113	18,510	38,861	2,184	4,846	20,694	43,707	3,419
	C.	...	808	369	83	46	1,306	...	...	...	...	...	...	...	...
	Total	6,519	1,355	20,212	6,910	1,747	30,224	35,437	24,530	53,833	5,410	13,979	29,940	67,812	5,497
Bombay	A.	160	73	170	86	55	384	544	352	957	38	72	390	1,029	154
	B.	1,139	277	6,870	6,378	1,619	15,144	16,270	15,015	35,692	...	...	15,015	35,692	1,255
	C.	...	1,609	1,103	31	23	2,766	2,779	...	...	...	...	...	...	...
	Total	1,299	1,959	8,143	6,495	1,697	18,294	19,593	15,367	36,649	38	72	15,405	36,721	1,409
Grand Total	A.	4,662	225	7,876	2,843	1,120	12,064	17,149	9,596	22,282	3,800	11,239	13,401	33,521	3,408
	B.	7,738	1,005	44,403	33,045	10,446	88,859	98,388	84,325	176,540	2,707	6,034	87,032	182,275	9,118
	C.	...	3,040	2,275	238	153	5,706	4,413	...	...	...	...	...	...	...
Total 1925-26		14,627	4,270	54,554	36,126	11,719	106,629	119,950	93,921	198,822	6,507	17,273	100,433	215,796	14,608
Total 1924-25		16,448	4,397	53,402	34,013	10,134	101,885	118,328	90,469	198,111	6,017	15,878	96,486	213,989	12,625
,, 1923-24		15,048	4,157	52,745	31,136	9,335	97,373	112,421	84,266	193,224	4,998	14,497	89,264	207,721	16,105
,, 1922-23		14,973	4,298	49,505	30,611	7,875	92,289	105,279	80,456	182,488	4,956	13,913	85,412	196,401	14,936
,, 1921-22		15,160	5,598	46,437	27,682	8,820	88,597	103,757	76,078	182,377	4,171	14,924	80,249	197,301	15,060

N.B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1924-25.	1925-26.	
1	2	3	4	5	6	
Bengal	1,309	1,305	24·8	5·1	0·3	
United Provinces	3,196	3,183	61·0	6·6	0·4	
Punjab	1,301	1,295	78·7	3·8	0·4	
Burma	129	117	0·4	17·5	9·3	
Federated Shan States	2	2	0·06	...	...	
Bihar and Orissa	1,522	1,470	85·2	8·6	3·4	
Assam	14	13	0·2	29·4	7·1	
Central Provinces	7,011	6,671	35·6	8·3	4·8	
Coorg	166	165	31·9	3·5	0·6	
North-West Frontier Province	77	77	32·6	9·5	...	
Ajmer	141	141	99·3	0·3	...	
Madras	68,498	18,105	36·0	3·9	73·6	
Bombay	8,625	8,267	62·6	21·5	4·1	
Total 1925-26	91,991	40,811	87·5	9·5	55·6	
„ 1924-25	44,201	42,847	42·6	10·0	3·1	
„ 1923-24	44,528	42,571	43·0	10·0	4·4	
„ 1922-23	41,857	30,189	41·5	5·6	27·9	
„ 1921-22	45,957	42,266	44·3	5·0	8·6	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in Departmental Fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	No.	Sq. M.	No.	Sq M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal	1	...	6	1	12	2	...	...	8	2	27	5
United Provinces	22	3	19	1	67	5	8	3	34	2	150	14
Punjab	14	1	8	2	108	4	41	3	9	1	180	11
Burma	9	2	4	...	35	6	5	1	19	3	72	12
Federated Shan States	...	...	...	...	...	...	...	...	1	...	1	...
Bihar and Orissa	4	1	18	14	14	13	1	...	35	24	72	52
Assam	...	...	2	1	...	...	5	...	...	...	7	1
Central Provinces	3	8	116	76	136	66	11	10	240	179	506	339
Coorg	...	...	10	1	...	...	...	...	...	...	10	1
North-West Frontier Province	...	...	1	...	6	...	1	...	...	...	8	...
Ajmer	2	...	1	...	11	...	2	...	4	...	20	...
Baluchistan	...	...	...	...	...	...	...	...	...	...	...	...
Andamans	...	...	...	...	...	...	...	...	...	...	...	...
Madras	44	9	120	37	319	107	368	85	587	160	1,438	398
Bombay	73	9	196	45	576	114	161	21	951	249	1,957	438
Total 1925-26	172	33	501	178	1,284	317	603	123	1,888	620	4,448	1,271
„ 1924-25	183	49	447	160	1,286	291	583	114	1,744	732	4,243	1,376
„ 1923-24	106	32	331	199	803	228	384	87	15,750	877	3,194	1,423
„ 1922-23	191	62	560	399	1,037	367	1,290	784	2,125	1,084	5,017	2,489
„ 1921-22	240	101	716	655	1,229	491	1,497	1,169	2,525	1,448	6,207	3,864

STATEMENT X.

Area closed and open to grazing.

Area in Square Miles.

Province.	Closed to all animals.		Open to grazing.				Total area.
	Whole year.	Part of year.	Of all animals.		Of all animals except browsers (camels, sheep and goats.)		
			Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
Bengal	6,370	...	4,106	...	63	63	10,602
United Provinces	2,146	69	2,173	10	822	8	5,228
Punjab	443	65	5,560	137	351	139	6,695
Burma	21,239	...	65	162	2,265	4,641	28,372
Federated Shan States	2,341	11	...	...	599	137	3,088
Bihar and Orissa	584	...	161	220	1,768	46	2,779
Assam	4,066	59	15,052	...	1,591	3	20,771
Central Provinces	3,258	72	3,883	7	12,464	65	19,749
Coorg	87	433	...	...	...	433	953
North-West Frontier Province	53	2	8	...	173	..	236
Ajmer	10	123	...	...	3	128	269
Baluchistan	204	...	6	...	96	7	313
Andamans	52	...	...	...	359	...	411
Madras	2,077	591	15,769	37	851	9	19,334
Bombay	2,179	301	3,457	...	9,065	...	15,002
TOTAL 1925-26	45,109	1,731	50,240	573	30,470	5,679	133,802
1924-25	45,856	2,036	51,842	569	29,782	5,640	135,725
1923-24	46,212	1,704	51,129	595	27,865	5,301	132,806
1922-23	45,228	1,911	143,661	680	27,945	5,188	224,613
1921-22	47,000	2,237	166,670	652	27,619	5,326	249,504

STATEMENT XI.

PROTECTION FROM CATTLE.

STATE

Protection

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels	Other animals.
1	2	3	4	5	6	7	8	9	10	11
Bengal	2,249	1,087	197	...	68	335	39,610	...	...	6
United Provinces	67,968	157,844	141,458	2,282	2,590	8,089	29,922	9,187	171	97
Punjab	13,269	23,676	353,360	36,649	132	251	13,824	531,936	968	360
Burma	5,402	26,474	...	...	16	...	...	...	...	...
Federated Shan States	786	1,633	...	...	...	...	...	...	...	...
Bihar and Orissa	9,565	34,226	2,337	10	...	6,905	12,227	...	...	...
Assam	7,908	2,235	345	...	282	1,431	...	...	...	...
Central Provinces	222,454	697,273	448,871	63	2,928	131,949	1,737,951	5,371	...	183
Coorg	329	3,489	...	...	...	...	...	...	...	...
North-West Frontier Province	251	189	323	...	...	...	...	...	...	...
Ajmer	1,534	14,658	...	...	1	3,260	12,761	...	...	...
Baluchistan	158	2,702	1,734	...	213	...	...	...	...	...
Madras	75,296	1,202,321	596,939	...	175	12,338	133,020	18,982	...	...
Bombay	25,997	81,777	89,636	666	7,078	207,914	988,608	446,900	...	3,901
Total 1925-26	433,186	2,249,584	1,635,230	39,670	13,483	372,472	2,967,923	1,012,376	1,139	4,547
„ 1924-25	1,705,573		1,552,369	61,763	13,467	9,337,344		1,030,127	741	6,636
„ 1923-24	614,261	2,001,330	1,553,633	67,871	13,025	1,351,497	2,033,470	900,337	1,247	4,129
„ 1922-23	232,301	1,030,338	1,016,118	50,915	11,212	179,885	1,807,728	890,578	1,491	5,262
„ 1921-22	384,102	1,394,579	1,060,663	15,812	10,704	322,002	2,712,765	743,156	1,223	5,761

MENT XI.

from cattle.

Grazed free, number of animals.										
By right under settlement.					During pleasure of Government or otherwise than under settlement.					Total number of animals grazed.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	891	2,955	...	...	13	47,411
40,031	460,583	44,367	...	1,481	6,398	31,628	60,944	1	162	1,065,203
131,650	650,573	1,298,309	285	184,458	3,916	25,206	10	3,563	2,776	3,275,191
152,712	342,382	...	...	1,054	15,406	2,305	...	...	12,912	558,663
2,579	9,949	...	...	2,100	1,172	...	...	308	...	18,527
45,281	233,711	52,663	...	7	349	1,490	980	...	3	399,754
29	88	...	...	...	5,139	7,656	2,235	...	147	27,495
...	375	...	...	...	1,891	236,719	499	...	104	3,486,631
...	498	...	...	...	...	22,804	...	...	...	27,120
5,366	6,699	...	...	...	7,594	12,032	...	...	...	32,454
...	...	...	...	...	380	1,894	...	...	...	34,483
...	3,340	53,226	1	1,193	...	...	...	...	...	62,567
1,080	7,480	2,864	...	...	8,857	64,084	4,305	...	...	2,127,741
9,624	24,156	...	...	51	87,613	419,661	805	1,306	2,573	2,398,296
388,352	1,739,834	1,451,429	286	190,344	139,606	828,434	69,778	5,178	18,690	13,561,541
386,595	1,687,641	1,459,837	286	188,193	1,014,592		148,427	1,600	19,028	18,614,219
367,107	1,739,979	1,444,557	286	188,014	562,726	404,343	65,603	1,461	17,116	13,331,992
365,575	1,789,026	1,441,645	286	189,217	128,484	615,890	68,244	1,226	19,043	9,844,464
378,662	2,029,210	1,464,585	473	188,086	155,000	834,991	168,524	5,516	21,255	11,897,039

STATEMENT XII.

Progress on reproduction and afforestation.

Province.	Area in acres at close of the year.			Expenditure during the year.
	Under regeneration.	Area on which regeneration is complete.	Plantations not under working plans.	
(1)	2	3	4	5
				Rs.
Bengal	341	14,094	2,931	61,782
United Provinces	104,692	25,080	4,308	1,14,467
Punjab	10,151	24,488	4,731	1,43,867
Burma	953	19,870	103,489	1,34,491
Federated Shan States	...	...	370	1,054
Bihar and Orissa	17,501	59,590	3,738	12,202
Assam	46	...	6,399	18,730
Central Provinces	4,884	5,519	12,636	2,420
Coorg	962	2,204	6,323	10,304
North-West Frontier Province	2,682	...	42	2,683
Ajmer	15,849	...	...	70
Baluchistan	...	...	56	343
Andamans	...	...	598	96,753
Madras	1,279	24,926	28,990	76,449
Bombay	11,779	157,032	341,862	57,983
Total 1925-26	171,119	332,803	516,473	7,33,598

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average Outturn Per Square Mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C ft.	Rs.
Bengal . .	(a) 32,556,000	4,59,152	600,000	26,625	1,492,000	30,424	34,648,000	5,16,201	6,168	86	332	14	433	8	3,290	49
United Provinces	(b) 36,027,000	15,61,218	8,000	430	83,000	7,446	36,117,000	15,69,094	6,948	301	2,000	110	2,128	191	6,908	300
Punjab . .	(b) 11,853,000	(b) 14,63,520	17,393,000	10,38,779	5,239,000	2,85,116	34,485,000	27,87,415	7,175	886	3,978	237	7,808	425	5,150	416
Burma . . .	38,515 000	5,59,640	...	...	65,034,000	5,15,778	103,549,000	10,75,418	1,005	19	...	...	682	5	837	8
Federated Shan States.	3,257,800	61,496	...	...	2,165,600	2,11,181	5,423,400	2,72,677	1,055	19	...	...	100	2	220	11
Bihar and Orissa.	4,442,000	1,15,788	6,571,000	1,83,143	1,000	...	11,014,000	2,98,931	2,488	65	6,610	184	1,000	...	3,962	107
Assam . .	‡ 5,835,000	‡ 2,65,908	...	...	12,471,000	502,880	‡ 18,306,000	‡ 7,68,788	979	44	...	...	841	34	881	37
Central Provinces	35,563,000	(b) 6,25,320	...	10,42,673	...	10,81,847	35,563,000	27,49,340	1,807	31	...	...	...	...	1,807	139
Coorg . .	160,850	23,519	142,135	291	...	...	302,985	23,810	309	45	...	...	...	...	584	45
North-West Frontier Province.	† 3,772,000	69,797	...	...	...	...	3,772,000	69,797	15,983	295	...	...	...	...	15,396	284
Ajmer . .	509,883	73,132	...	...	...	...	509,883	73,132	3,590	515	...	...	..	...	3,590	515
Baluchistan .	34,490	43,682	...	...	386,043	21	420,533	43,703	110	139	...	...	818	...	536	55
Andamans . .	156,600	2,494	...	...	2,134,250	2,071	2,290,850	5,165	3,011	48	...	...	907	1	1,045	2
Madras . .	(b) 18,646,000	19,38,391	...	...	(c) 5,658,000	1,36,112	24,304,000	20,74,503	979	102	...	...	17,341	415	1,256	107
Bombay . .	(b) 49,717,000	19,62,218	1,249,000	10,469	37,000	...	(d) 50, 99,000	19,72,687	3,609	142	1,016	8	...	...	3,399	131
Total 1925-26 .	241,011,623	92,25,275	25,963,135	23,02,410	94,730,893	27,73,276	361,704,651	1,43,00,961	2,291	88	3,989	274	682	19	1,433	56
,, 1924-25 ,	237,628,004	1,07,01,199	26,533,649	12,46,907	91,128,147	17,65,485	355,289,800	1,37,13,591	2,290	103	3,205	151	773	15	1,110	69
,, 1923-24 .	243,014,669	1,10,36,255	27,542,607	18,66,904	83,129,605	19,33,131	353,686,881	1,48,36,290	2,349	107	3,473	235	708	16	1,545	65
1922-23 .	221,168,091	1,15,54,229	37,957,254	11,87,870	90,833,629	18,29,419	349,958,974	1,45,71,518	2,191	114	5,244	164	786	16	1,564	65
,, 1921-22	218,580,978	1,06,97,572	35,535,818	13,10,719	107,266,278	17,98,973	361,383,074	1,38,07,264	2,108	103	4 701	174	776	13	1,448	55

(a) Includes leased lands.
(b) ,, ,, forests.
(c) Reserved and unreserved lands.
(d) Sandal wood—
Kh M. lbs.
243 18 25¼.
231 trees, 530 billets,
307 roots, 34 Kodlichalav carts.
46 bachichalav bags.
‡ Excludes shared forests.
† Includes Guzara forests.

STATEMENT XIV.

Forest produce removed by different agencies.

Part I.—Timber and Fuel.

Province.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	494,000	19,043,000	8,000	...	19,545,000	466,000	14,249,000	388,000	...	15,103,000
United Provinces	755,000	8,839,000	114,000	888,000	10,646,000	278,000	11,190,000	1,141,000	12,862,000	25,471,000
Punjab	1,430,000	2,635,000	124,000	1,385,000	5,574,000	2,561,000	2,526,000	35,000	23,789,000	28,911,000
Burma	235,000	15,749,000	48,000	1,019,000	17,051,000	2,260,000	50,176,000	303,000	3,515,000	56,254,000
Federated Shan States	600	1,902,100	8,400	249,800	2,160,900	24,700	371,700	...	318,800	715,200
Bihar and Orissa	87,000	1,900,000	22,000	288,000	2,297,000	102,000	4,112,000	53,000	4,450,000	8,717,000
Assam	788,000	7,894,000	634,000	...	9,316,000	1,74,000	5,273,000	4,279,000	7,000	9,683,000
Central Provinces	4,459,000	6,112,000	172,000	49,000	10,792,000	1,716,000	18,228,000	1,322,000	505,000	21,771,000
Coorg	70,490	52,475	...	...	122,965	36,095	143,925	...	...	180,020
North-West Frontier Province	806,000	89,000	11,000	7,000	913,000	1,022,000	299,000	1,222,000	316,000	2,859,000
Ajmer	...	4,234	...	578	4,812	194,766	310,805	...	...	505,071
Baluchistan	22	3,590	50	...	3,662	16,518	400,169	154	...	416,841
Andamans	590,328,000	...	...	...	590,328,000	600,000	...	...	...	600,000
Madras	1,555,000	2,895,000	187,000	26,000	4,663,000	2,065,000	17,526,000	49,000	1,000	19,641,000
Bombay	1,672,000	3,941,000	86,000	300,000	5,999,000	3,324,000	32,685,000	70,000	9,021,000	45,000,000
Total 1925-26	602,680,112	71,109,399	1,414,450	4,212,373	679,416,339	14,689,579	157,490,599	8,862,154	54,784,800	235,827,132
,, 1924-25	16,316,960	91,952,000	2,172,331	3,376,236	113,817,527	16,592,147	151,277,782	7,539,103	54,979,476	230,388,584
,, 1923-24	15,289,026	88,667,774	2,102,118	4,160,117	110,219,035	16,743,146	159,147,925	8,076,182	60,347,876	244,315,129
,, 1922-23	14,974,963	86,531,547	2,116,348	4,017,237	107,640,095	19,778,094	140,514,225	10,524,440	71,849,120	242,665,879
,, 1921-22	16,809,862	96,612,588	2,434,884	4,041,720	119,899,054	21,780,923	136,780,927	14,205,170	68,730,000	241,497,020

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—*contd.*

Part II.—Value of minor forest produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	449	1,05,384	1,031	...	1,06,864	...	30,712	23,345	...	54,057	8,282	3,41,379	5,619	...	3,56,280
United Provinces	186	1,73,901	73	7,215	1,81,375	6,075	2,06,420	12,162	2,96,829	5,21,486	3,15,195	5,00,156	5,521	45,361	8,66,233
Punjab	42,629	6	11	67	42,713	...	1,76,630	39,763	20,04,005	22,22,398	4,48,456	26,800	2,180	44,868	5,22,304
Burma	522	2,52,289	300	5,583	2,58,694	...	17,601	63,267	1,64,077	2,44,945	8,836	5,25,663	2,807	34,473	5,71,779
Federated Shan States.	...	11,395	...	2,99	14,390	...	3,072	4,075	14,752	21,899	13	220,951	...	15,424	2,36,388
Bihar and Orissa	12,434	59,096	293	23,712	95,535	...	14,103	1,092	1,08,115	1,23,310	10,487	51,261	87	18,251	80,086
Assam	61	88,462	18,867	...	1,07,390	...	26,750	19,615	119	46,484	72,276	3,72,058	1,81,560	...	6,25,894
Central Provinces	2,8 3	4,14,871	4,662	2,8 4	4,25,280	1,834	15,22,779	1,35,606	984	16,61,203	88,246	5,43,810	30,384	417	6,62,857
Coorg	3	2,241	...	...	2,244	...	1,054	...	...	1,054	...	20,512	...	...	20,512
North-West Frontier Province.	...	...	...	...	...	...	2,367	16,301	5,687	24,355	43,577	1,756	9	100	45,442
Ajmer	...	900	...	...	900	2,560	15,602	1,377	48,616	68,155	579	3,495	...	3	4,077
Baluchistan	...	...	...	...	...	...	1,110	...	41,470	42,580	57	691	375	...	1,123
Andamans	...	57	1,159	88	1,304	...	...	...	...	...	107	115	3,826	113	4,161
Madras	23,472	3,98,330	1,571	151	4,13,524	70	8,37,267	13,446	6,418	8,57,301	36,126	7,63,991	2,196	1,365	8,03,678
Bombay	...	1,46,836	360	58,129	2,00,325	8	8,28,720	44,204	5,90,961	14,63,893	34,408	2,31,351	3,049	39,661	3,08,469
TOTAL 1925-26	82,629	16,48,768	28,327	95,814	18,50,538	10,547	36,86,287	3,74,253	32,82,033	73,53,120	10,66,645	36,03,989	2,37,613	2,00,036	51,08,282
,, 1924-25	1,00,726	15,07,229	33,499	58,220	16,99,688	14,145	39,52,535	3,87,309	32,60,637	76,14,626	10,88,097	32,44,621	2,33,471	2,01,145	47,67,334
,, 1923-24	1,45,443	16,09,620	31,164	60,123	18,46,350	31,310	37,71,856	3,79,092	35,43,406	77,25,664	8,58,414	39,13,483	2,25,883	2,72,513	52,70,293
,, 1922-23	95,105	15,19,146	38,488	1,18,461	17,71,140	17,576	34,64,968	4,47,417	34,91,293	74,21,164	19,99,668	29,57,079	2,47,056	1,79,594	53,83,397
,, 1921-22	76,393	13,32,686	28,292	68,565	15,05,934	29,859	27,81,431	3,75,444	33,63,375	65,50,109	23,37,078	26,83,135	3,21,970	4,12,088	57,54,27

STATEMENT XV.

Exports of forest produce.

Articles of forest produce.	Quantity in tons of 20 cwt. in the case of teak and other timbers, cubic tons.		Valuation at port of shipment in 1925-26.	
	Average of 5 years 1920-21 to 1924-25.	In 1925-26.	Total.	Per ton.
1	2	3	4	5
			Rs.	Rs.
Caoutchouc, raw	6,336	10,005	2,94,09,876	2,940
Lac — Button	785	1,084	33,34,678	3,076
Lac — Shell	17,679	20,829	5,76,27,182	2,767
Lac — Stick, seed and other kinds	2,862	5,083	80,48,108	1,583
Cutch and gambier	2,088	2,991	15,82,652	529
Myrabolams	61,367	52,128	73,72,222	141
Cardamums	258	253	17,61,021	6,961
Sandal	537	979	17,35,602	1,773
Teak	34,406	64,175	1,69,75,241	265
Other kinds of wood and timber	*	*	8,63,172	...
TOTAL 1925-26	...	...	12,87,09,754	...
,, 1924-25	...	...	11,43,32,316	...
,, 1923-24	...	...	12,44,54,366	...
,, 1922-23	...	...	12,79,97,378	...
,, 1921-22	...	...	9,98,56,627	...

* Quantity not recorded.

STATEMENT XV (*a*).

Year (calendar).	Imports of timber into British India, 1922-1926.		Imports of sleepers of wood for railways into British India, 1922-1926.	
	Cubic tons.	Rs.	Tons.	Rs.
1922	39,277	49,13,195	18,926	29,44,791
1923	30,428	39,75,721	29,447	39,25,249
1924	30,765	32,68,227	645	87,662
1925	‡31,156	‡28,70,856	14,238	14,91,246
1926	‡23,102	‡27,49,637	25,734	31,17,949

‡ Represent figuresa deal and pine wood, jarrah wood and teak wood only from April 1925. Figures prior to April 1925 include certain kinds of unspecified timber, separate figures of which are no longer available.

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grasing.	Other minor produce.	Total.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	1,747	38,943	29,982	30,507	5,284	1,06,468
United Provinces	95,713	1,20,056	7,269	3,21,358	55,883	5,90,279
Punjab	83,105	6,68,649	...	...	20,90,894	28,42,648
Burma	1,29 094	2,695	354	62,767	2,773	1,97,683
Federated Shan States	6,377	...	...	4,075	...	10,452
Bihar and Orissa	39,715	1,15,691	24,005	1,09,207	18,976	3,07,594
Assam	39,285	54,385	18,867	19,734	1,81,565	3,13,836
Central Provinces	18,023	67,690	10,412	11,82,6 9	17,375	12,96,129
Coorg	...	...	...	5,926	...	5,926
North-West Frontier Province	7,236	43,236	...	21,997	100	72,569
Ajmer	...	...	...	49,993	...	40,992
Baluchistan	5	27	...	41,845	...	41,977
Andamans	3,189	2,609	1,159	...	3,826	10,783
Madras	33,529	1,311	1,722	18,259	3,540	58,361
Bombay	90,192	2,04,816	53,355	6,35,165	41,937	10,25,465
TOTAL 1925-26	5,47,210	13,20,108	1,47,125	24,93,462	24,22,153	69,30,058
,, 1924-25	4,68,901	13,13,849	96,891	44,72,409	3,79,190	67,31,240
,, 1923-24	4,76,177	14,88,577	91,096	34,80,661	3,97,733	59,34,244
,, 1922-23	5,75,162	18,05,969	1,98,619	46,44,162	4,34,589	76,58,501
,, 1921-22	6,16,536	24,89,425	1,50,459	46,16,914	6,96,935	85,70,269

STATEMENT XVII.

Details of revenue and expenditure for the Forest year 1925-26.

				Rs.	Percentage of each item to total.
Gross Receipts	(a) Wood			4,77,82,430	79·8
	(b) Minor forest produce			47,42,491	7·9
	(c) Forest stamps and Commutation fees for forest produce			1,71,047	0·3
	(d) Grazing			39,43,427	6·5
	(e) Revenue from forests not managed by Government			3,99,964	0·6
	(f) Miscellaneous			28,31,466	4·7
			Total Revenue	5,98,70,825	—
Expenditure	A. Recurring	(a) Administration.	(i) Superior Staff	1,85,13,317	54·5
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).		
			(iii) Office Establishments (including Contingencies).		
		(b) Working	(1) Extraction	87,72,847	25·8
			(2) Roads and Buildings	20,68,956	6·1
			(3) Fire protection	3,04,340	0·9
			(4) Cultural operations	8,75,621	2·5
			(5) Live-stock, stores and plant	9,10,913	2·6
			(6) Working-Plans	1,29,898	0·3
			(7) Rent for leased forests	4,89,949	1·4
			(8) Miscellaneous	8,98,413	2·6
		(c) Expenditure on realization of revenue from forests not managed by Government.		19,093	0·0
		(d) Forest Science and Education (including all "A" and "B" charges of Imperial Forest College and Research Institute).*		1,18,397	0·3
			Total	3,31,01,749	—
	B. Extraordinary	(e) Forest Settlement		9,980	0·0
		(f) Forest Survey		22,918	0·0
		(g) Forest Demarcation		91,740	0·2
		(h) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		7,36,815	2·1
			Total	8,61,453	—
			GRAND TOTAL OF EXPENDITURE	3,39,63,202	—
			Net Revenue	2,59,07,623	—

* Expenditure under this head in provinces has been included in (a) Administration.

STATEMENT XVIII.

SUMMARY OF REVENUE AND EXPENDITURE OF THE FOREST DEPARTMENT IN INDIA FOR THE FINANCIAL YEAR 1925-26.

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma (Includes Federated Shan States and Backward tracts.)	Bihar and Orissa (Includes Angul Division.)	Assam.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	...	4,81,637	13,39,864	28,75,582	70,86,047	42,719	7,94,024
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	22,54,969	48,51,785	5,93,213	1,44,28,777	9,73,759	18,85,256
III.—Drift and waif wood and confiscated forest produce.	...	14,767	8,900	43,728	4,30,811	71	19,884
IV.—Revenue from forests not managed by Government.	...	...	29,438	4,250	2,03,192	...	64,237
V.—Miscellaneous	...	1,05,047	1,96,294	5,95,303	1,97,691	12,043	2,75,739
Total Revenue .	...	28,56,420	64,26,281	41,12,076	2,23,46,518	10,28,592	30,39,140
EXPENDITURE.							
A.—Conservancy and Works.							
I.—Timber and other produce removed from the Forest by Government Agency.	...	1,67,358	8,07,884	10,78,188	18,92,421	13,245	4,72,162
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,68,761	1,46,587	2,111	2,17,412	32,393	33,393
III.—Drift and waif wood and confiscated forest produce.	...	1,572	1,475	11,641	85,654	68	979
IV.—Revenue from forests not managed by Government.	...	...	14,312	...	2,740	...	1,801
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	40	2,29,814	91,824	...	...	84,877
VI.—Live-stock, stores, tools and plant . .	...	23,640	1,01,862	15,869	2,94,895	1,676	42,717
VII.—Communications and buildings . .	...	1,06,142	3,18,528	85,030	6,92,958	83,069	2,01,393
VIII.—Demarcation, improvements and extension of forests.	...	83,825	3,37,191	88,389	3,45,271	43,767	33,910
IX.—Miscellaneous	...	11,034	18,757	1,19,567	2,85,155	13,066	32,196
Total A.—Conservancy and Works .	...	5,61,872	19,76,410	14,92,069	38,16,506	1,87,284	9,03,428
B.—Establishments.							
Total B.—Establishments (includes salaries, Travelling and other allowances and contingencies.)	1,18,903	6,71,787	16,56,033	11,72,195	47,39,894	4,66,070	6,30,372
Total gain or loss by exchange on English transactions, interest on capital outlay, etc	...	27,309	62,903	37,246	1,31,543	12,270	34,183
Grand Total of Expenditure .	1,18,903	12,60,968	36,95,346	27,01,510	86,87,943	6,65,624	15,67,983
Surplus .	...	15,95,452	27,30,935	14,10,566	1,36,58,575	3,62,968	14,71,157
Deficit .	1,18,903	...	...	...	...	...	...
Proportion of surplus to gross revenue . .	...	55	42	34	6	35	48
Net revenue per square mile of forest area under control of Forest Department.	...	151	522	210	92	130	70

MENT XVIII.

Forest Department in India for the financial year 1925-26.

Central Provinces.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Madras.	Bombay.	Total.
9	10	11	12	13	14	15	16	17	18
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
9,15,173	4,74,120	6,91,530	21,852	4,114	8,86,052	...	14,63,285	24,37,625	1,95,13,624
36,98,522	48,976	26,504	42,978	6,104	1,764	72	31,71,634	46,52,771	3,66,37,084
1,533	...	1,153	...	50	50	...	14,539	3,967	5,39,453
35,552	...	4,490	...	12,088	...	...	18,273	28,444	3,99,964
3,36,629	15,422	20,530	7,929	1,265	3,163	1,05,6.5	5,02,789	4,05,231	27,80,700
49,87,409	5,38,518	7,44,207	72,759	23,621	8,91,029	1,05,697	51,70,520	75,28,038	5,98,70,825
3,34,079	60,621	3,59 031	13,897	1,663	7,45,026	...	5,28,097	11,57,202	76,30,824
2,28,742	...	...	649	...	340	...	1,53,713	55,479	10,39,580
110	...	25	...	...	...	...	592	327	1,02,443
...	...	...	...	245	...	...	...	...	19,098
10,422	...	21,975	153	...	...	...	5,506	15,838	4,89,949
34,144	25,878	3,609	950	133	1,94,535	38,375	91,944	40,686	9,10,913
1,58,925	13,213	27,057	9,380	513	10,268	6,655	1,79,729	1,76,096	20,68,956
2,42,193	25,676	6,133	3,081	429	24,373	955	87,560	1,13,112	14,35,365
87,185	5,968	13,630	605	29:	18,380	1,74,548	22,632	94,527	8,97,545
10,95,800	1,31,356	4,31,460	28,715	3,278	9,92,922	2,20,533	10,69,773	16 83,267	1,45,94,673
21,59,015	1,69,304	1,15,861	26,446	28,080	1,42,141	5,93,500	36,37,908	23,27,153	1,86,54,662
90,914	4,735	...	....	...	...	...	1,15,558	1,97,206	7,13,867
33,45,729	3,05,395	5,47,321	55,161	31,358	11,35,063	8,14,033	48,23,239	42,07,626	3,39,63,202
16,41,680	2,33,123	1,96,886	17,598	...	...	...	3,47,281	33,20,412	2,69,86,633
...	...	...	...	7,737	2,44,034	7,08,336	...	...	10,79,010
35	43	26	24	...	...	...	6	44	...
83	449	803	124	...	...	...	18	221	...

STATE

Revenue of the Forest Department throughout India for the 27 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	2,175	31,717	25,429	10,866	5,147	9,688	6,090
Bengal†	1,64,368	2,89,772	6,06,578	6,31,384	7,66,431	10,49,364	11,38,910
United Provinces	12,59,979	12,21,650	11,34,615	14,63,525	16,89,190	15,31,824	16,14,740
Punjab	6,87,423	7,05,558	7,37,338	9,11,950	9,00,417	11,39,510	14,00,770
Burma	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100
Central Provinces and Berar	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490
Coorg	92,491	78,887	1,03,170	1,13,024	1,53,136	1,33,456	1,62,410
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	65	1,152	4,475	11,859	15,233	14,162	10,270
Baluchistan	...	...	8 556	10,973	17,998	15,330	17,060
Andamans	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600
Imperial Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210
Forest Surveys (Imperial)	...	17	139	206	668	300	420
Madras	6,03,243	5,88,389	8,06,020	13,00,481	17,14,328	31,10,988	23,02,290
Bombay	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200
GRAND TOTAL	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.
	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.
Imperial*	7,666	8,189	10,632	8,662	10,680	12 837	11,471	12,047
Bengal†	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496
United Provinces	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235
Punjab	14,57,449	12,88,792	10,32,633	12,17,988	13,10,077	12,39,033	13,54,943	14,38,005
Burma	86,63,989	91,92,032	93,58,077	1,00,70,117	99,67,594	1,09,22,393	1,14,25,430	97,07,691
Bihar and Orissa	...	...	...	...	4,07,213	4,88,958	4,91,735	5,49,779
Assam‡	14,30,447	14,46,368	15,54,732	18,90,635	11,46,320	11,42,091	10,97,969	8,32,877
Central Provinces and Berar	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529
Coorg	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237
North-West Frontier Province	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,013
Ajmer	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170
Baluchistan	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058
Andamans	2,19,822	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248
Imperial Forest College and Research Institute.	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617
Forest Surveys (Imperial)	...	...	...	...	...	...	...	...
Madras	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320	39,41,537
Bombay	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242
GRAND TOTAL	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,545	2,97,09,784

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests,
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX.

from 1899-1900 to 1925-26 and the average of 6 quinquennial periods from 1869-70 to 1893-99.

NUE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
2,463	3,484	3,659	7,455	3,768	7,255	...	Imperial.*
12,33,339	12,92,237	12 56,247	10,65,523	11,67,472	11,18,542	10,65,859	Bengal.†
15,65,463	17,15,508	20,25,324	20,80,446	23,97,318	24,33,428	25,02,664	United Provinces.
13,50,842	14,47.558	15,86,408	17,17,797	18,74,443	17,81,653	16,05,284	Punjab.
80,54,444	58,73,938	67,89,053	82,68,535	89,59,756	1,03,29,869	98,12,519	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
5,49,521	5,12,963	5,80,200	6,75,732	8,15,677	11,06,096	13,20,592	Assam.‡
12,65,614	15,79,116	16,84,428	19,98,032	20,13,459	24,49,131	24,01,159	Central Provinces and Berar.
1 37,596	1,70,242	1,90,730	2,24,031	1,93 087	2,45,419	2,35,909	Coorg.
...	13,012	1,01,123	1,01,833	90,991	1,26 529	1,83,214	North-West Frontier Province.
10,646	6,865	9,736	13,884	17,297	15,002	18,3 '5	Ajmer.
16,956	14,712	19,336	18,363	22,555	21,481	21,195	Baluchistan.
2,77,886	2,66,903	3,26,035	4,32,381	6,20,796	5,82 511	6,07,027	Andamans.
3,697	3,545	3,252	3,038	3,557	3,080	4,579	Imperial Forest College and Research Institute.
327	473	3,034	431	...	...	...	Forest Surveys (Imperial).
23,40,170	25,43,430	26,13,819	26,57,727	28,29,216	29,67,604	32,90,669	Madras.
29,61,529	23,79,729	23,29,156	27,51,589	30,20,558	38,84,993	34,22,481	Bombay.
1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950	2,66,74,593	2,64,91,486	Grand Total.

1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
23,457	24,546	51,720	27,488	24,527	27,122	27,803	26,553	29,551	30,100	...	Imperial.*
11,45,610	13,38,779	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226	22,61,515	24,75,529	28,56,420	Bengal.†
37,38,831	50,40,982	61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803	73,56,029	69,21,987	64,26,281	United Provinces.
17,27,283	16,87,801	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443 (a)	43,86,533 (a)	37,27,312 (a)	41,12,076 (a)	Punjab.
96,99,217	1,23,79,531	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952	1,94,92,399	1,96,77,824	2,23,46,518	Burma.
5,17,727	5,29,081	7,53,625	9,44,763	8,17,458	8,10,602	90,00,373	8,81,904	10,29,085	10,70,268	10,28,592	Bihar and Orissa.
10,55,052	11,48,621	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,13,853	19,74,292	24,78,756	30,39,140	Assam.‡
32,78,262	33,71,578	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979	51,04,929	52,32,632	49,87,409	Central Provinces and Berar.
4,49,155	4,87,314	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653	7,00,947	6,68,030	5,38,518	Coorg.
1,86,815	2,40,985	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659	5,33,332	6,69,767	7,44,207	North-West Frontier Province.
23,445	21,272	27,733	37,280	34,914	48,112	40,812	43,978	55,422	66,062	72,759	Ajmer.
21,633	18,277	17,934	25,108	17,937	22,544	17,229	14,939	22,403	20,593	23,621	Baluchistan.
4,34,784	6,49,711	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027	6,11,382	7,25,597	8,91,029	Andamans.
6,995	8,199	8,304	9,083	8,308	12,648	24,117	1,84,763	1,67,339	1,02,579	1,05,697	Imperial Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
41,06,838	45,96,126	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956	54,15,557	55,69,682	51,70,520	Madras.
47,01 263	55,19,177	63,12,022	1,04,94,031	84,94,438	68,98,585	74,93,563	70,37,384	71,49,604	73,07,964	75,28,038	Bombay.
3,11,16,367	3,70,61,930	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072	5,62,90,319	5,67,44,682	5,98,70,825	Grand Total.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore. Excludes Home Charges.
Orissa.
to Bengal.

STATE

Expenditure of the Forest Department throughout India for the 27 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550
Bengal†	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210
United Provinces	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,: 5,078	9,42,380
Punjab	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460
Burma	4,02,847	8,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140
Central Provinces and Berar	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820
Coorg	40,684	36,591	62,248	73,907	77,016	82,146	74,220
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	6,197	18,692	13,197	17,620	14,061	16,722	15,350
Baluchistan	...	...	12,594	16,130	39,452	33,508	28,680
Andamans	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940
Imperial Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550
Forest Surveys (Imperial)	11,911	63,288	40,447	24,477	24,491	31,936	33,980
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530
Bombay	6,48,046	8,70,487	12,51,292	16,41,812	19,09,789	19,81,582	21,28,430
GRAND TOTAL	39,33,430	45,76,804	56,09,579	74,26,956	86,03,952	97,96,140	1,10,24,680

	1907-08.	1908-09	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478
Bengal†	7,13,394	5,83,981	5,91,099	6,43,285	7,96,374	6,60,794	6,40,157	6,70,935
United Provinces	11,94,013	12,22,436	12,09,308	12,37,938	13,63,673	16,29,264	18,96,014	23,17,740
Punjab	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302
Burma	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447
Bihar and Orissa	...	...	...	...	3,00,916	3,75 894	3,55,648	3,84,371
Assam‡	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339
Central Provinces and Berar	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569
Coorg	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,883
North-West Frontier Province	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023	1,25,539
Ajmer	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,733
Baluchistan	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000
Andamans	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056
Imperial Forest College and Research Institute.	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091
Forest Surveys (Imperial)	27,060	39,128	41,062	41,140	38,798	35,809	37 743	42,353
Madras	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685
Bombay	19,55,427	20,43,873	20,63,088	20,70,417	26,64,436	26,94,455	25,89,877	24,87,925
GRAND TOTAL	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests.
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX—*contd.*

from 1899-1900 to 1925-26 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

DITURE.

1900-01.	1901-02.	1902-03.	1303-04.	1904-05.	1905-06	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,578	79,539	85.017	89,345	83.058	83,767	95,472	Imperial.*
5,70,806	6.57,131	6,38,014	7 03,508	6,88,589	5,93,50J	6,33,386	Bengal.†
9,63,489	10,08,739	10,13,998	10,81,438	13 91,583	14,05,182	13,06,651	United Provinces.
8.87,343	9 38,335	9,60,095	11,56,415	10,12,354	12,65,664	11,44 403	Punjab.
26,54,717	26,46,457	28,90,263	33,52,404	34,46,924	39,38,063	36,59,753	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
3.47,972	3,29,112	3,27,498	4,25,484	5,03,656	5,93,910	7,07,860	Assam.‡
11,65.866	12,00,904	12 57,288	12,80,966	13,20,615	13,07,153	13,42,898	Central Provinces and Berar.
70,905	82,333	89,437	92,191	83,820	95.748	1,02,855	Coorg.
...	19,510	54,086	60,603	74,958	95,258	92,650	North-West Frontier Province.
16,782	15 927	16,377	16,680	15,641	17,131	16,715	Ajmer.
29,254	24,480	23,240	21,697	24,672	25,743	26,322	Baluchistan.
1,40,137	2,04,667	2,81,702	2,66,121	3,42,431	3,35,985	2,95 136	Andamans.
71,238	76,290	66,338	59,339	61,424	80,669	1,37,486	Imperial Forest College and Research Institute.
33,991	33,730	33,985	33,935	28,229	30,044	30,389	Forest Surveys (Imperial).
17,15 431	17,09,554	18,3 ,552	17 50,930	19,86 098	22,26,602	24 80,660	Madras.
24,08,581	17,19,680	16,76 441	17,75,937	19,03,804	21,26,093	19,90,183	Bombay.
1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856	1,42 20,521	1,40,62,819	Grand Total.

1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	
1,09,502	1,03,248	90,332	1,10,638	1,32,777	1,68,993	2,57,011	4,33,494	1,44,489	1 68,595	1,18,903	Imperial.*
5,93,635	6,19,649	7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	12,31,249	12,42,672	14,17,471	12,60,968	Bengal.†
25,66,307	27,35,915	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486	43,50,695	36 84,005	36,95,346	United Provinces.
9,23,878	9,34,662	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871 (a)	29,16,035 (a)	26,14,488 (a)	27,01,510 (a)	Punjab.
48,86,241	49,36,588	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	99,72,149	1,03,02,159	96,28.313	86,87,943	Burma.
3,61,550	4,47,972	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531	7.50,657	7,90,397	6,65,624	Bihar and Orissa.
7,55,214	6,76,033	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634	11,59,845	13,30,853	15,67,983	Assam.‡
17,34,336	17,68,775	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417	30,41,108	31,71,863	33,45,729	Central Provinces and Berar.
1,76,633	1,60 492	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007	5,65,598	3,58,751	3,05,395	Coorg.
1,04,795	1,18,070	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383	4,58,567	5,88,713	5,47,321	North-West Frontier Province.
25,152	26,634	26,504	28,508	47,282	37,417	41,320	39,840	49,454	49,125	55,161	Ajmer.
27,995	26,929	29,990	28,787	25,314	28,761	53,275	36,468	31,440	30,478	31,358	Baluchistan.
4,30,832	4 28,652	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184	8,96,214	11,53,690	11,35,063	Andamans.
2,78,518	3,05,498	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,530	7,75,642	8,26,365	8,14,033	Imperial Forest College and Research Institute.
48,663	47,407	56,597	59,110	59,953	90,448	1,07,113	1,19,935	95,944	...	...	Forest Surveys (Imperial).
29,27,318	28,42,678	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463	46,33,826	50,72,459	48,23,239	Madras.
26,42,038	25,64,681	33,53,714	78,72,197	59,18,682	53,05,022	50,23,946	40,14,344	44,01,024	43 82,317	42,07,626	Bombay.
1,85,92,607	1,87,43,883	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041	3,58,15,369	3,52,67,883	3,39,63,202	Grand Total.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore
Orissa.
to Bengal.

. Excludes Home charges.

STATE

Surplus of the Forest Department throughout India for the 27 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700
United Provinces	2,93,974	3,81,941	2,95,937	5,45,627	7,42,767	5,96,746	6,72,360
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310
Burma	4,91,451	6,16,896	9,75,814	11,78,894	33,06,271	44,94,900	53,64,610
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960
Central Provinces and Berar	3,42,807	5,46,202	6,68,453	6,78,358	6,78,848	1,97,298	21,670
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080
Baluchistan	...	...	—4,033	5,157	—21,454	—18,178	—11,620
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660
Imperial Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340
Forest Surveys (Imperial)	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560
Madras	1,46,409	11,413	1,25,360	2,32,960	4,29,215	6,04,232	6,48,760
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770
Grand Total	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431
Bengal†	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561
United Provinces	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495
Punjab	2,80,753	4,87,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703
Burma	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247
Bihar and Orissa	...	...	...	...	1,06,297	63,064	1,36,087	1,65,408
Assam‡	6,30,074	5,55,019	5,22,191	8,03,295	3,05,307	3,33,180	1,87,729	—65,462
Central Provinces and Berar	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960
Coorg	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404
North-West Frontier Province	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420
Ajmer	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437
Baluchistan	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322	—6,942
Andamans	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192
Imperial Forest College and Research Institute.	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474
Forest Surveys (Imperial)	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353
Madras	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,50,852
Bombay	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317
Grand Total	1,13,50,046	1,07,80,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334

*Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
†Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX—*concld.*

from 1899-1900 to 1925-26 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

PLUS.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	PROVINCE.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—81,115	—76,055	—81,358	—81,890	—79,290	—76,512	—95,472	Imperial.*
6,62,533	6,35,106	6,18,233	3,62,015	4,78,883	5,25,033	4,32,473	Bengal.†
6,02,0-4	7,06,769	10,11,326	11,99,008	10,05,735	10,28,246	11,96,013	United Provinces.
4,63,499	5,09,223	6,26,313	5,61,382	8,62,089	5,17,989	4,60,881	Punjab.
53,99,727	32,27,481	38,48,790	49,16,131	55,12,832	63,91,806	61,52,766	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
2,01,549	1,83,851	2,52,701	2,50,248	3,12,021	5,12,186	6,12,732	Assam.‡
99,748	3,78,212	4,27,140	7,17,066	6,92,844	11,41,978	10,58,281	Central Provinces and Berar.
66,691	87,909	1,01,293	1,31,840	1,09,267	1,49,671	1,33,054	Coorg.
...	6,498	47,038	41,230	16,033	33,271	89,564	North-West Frontier Province.
—6,136	—9,062	—6,641	2,796	1,656	—2,129	1,620	Ajmer.
—12,298	—9,768	—3,904	3,334	—2,117	—4,262	—5,127	Baluchistan.
1,37,749	62,236	44,333	1,61,260	2,78,365	2,46,526	3,11,891	Andamans.
—67,541	—72,745	—63,086	—56,301	—57,867	—77,589	—1,32,907	Imperial Forest College and Research Institute.
—33,664	—33,257	—30,951	—33,504	—28,229	—30,044	—30,389	Forest Surveys (Imperial).
6,24,739	8,33,876	7,78,267	9,06,797	8,43,118	7,01,002	8,10,009	Madras.
5,52,948	6,60,040	6,52,715	9,75,602	11,16,954	13,58,900	14,32,298	Bombay.
86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094	1,24,16,072	1,24,27,687	GRAND TOTAL.

1915-16.	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.	PROVINCE.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—86,045	—78,702	—38,612	—83,150	—1,08,250	—1,41,871	—2,29,208	—4,06,941	—1,14,938	—1,38,495	—1,18,903	Imperial.*
5,51,975	7,19,130	6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	10,79,977	10,18,843	10,58,058	15,95,452	Bengal.†
11,72,524	23,05,017	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317	30,05,334	32,37,982	27,30,935	United Provinces.
8,03,405	7,53,139	9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	—14,62,428 (a)	14,70,498 (a)	11,12,824 (a)	14,10,566 (a)	Punjab.
48,12,976	74,42,943	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803	91,90,240	1,00,49,511	1,36,58,575	Burma.
1,56,177	81,109	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,373	2,78,428	2,79,871	3,62,968	Bihar and Orissa.
2,99,838	4,72,588	6,23,329	8,01,757	6,59,873	5,65,343	3,05,616	5,99,219	8,14,447	11,47,903	14,71,157	Assam.‡
15,43,926	16,02,803	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562	20,63,821	20,60,769	16,41,680	Central Provinces and Berar.
2,72,522	3,26,822	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646	1,35,349	3,09,279	2,33,123	Coorg.
82,020	1,22,915	1,83,836	1,73,965	1,61,088	—2,34,418	—1,74,531	1,15,276	74,765	81,054	1,96,886	North-West Frontier Province.
—1,707	—5,362	1,229	8,772	—12,368	10,695	—508	4,138	5,968	16,937	17,593	Ajmer.
—6,362	—8,652	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529	—9,037	—9,885	—7,737	Baluchistan.
3,952	2,21,059	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,36,929	—2,17,157	—2,84,882	—4,28,093	—2,44,034	Andamans.
—2,71,523	—2,97,299	—2,81,390	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823	—6,08,303	—7,23,786	—7,08,336	Imperial Forest College and Research Institute.
—48,663	—47,407	—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935	—95,944	...	...	Forest Surveys (Imperial).
11,79,520	17,53,448	24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	4,83,493	7,81,731	4,97,223	3,47,291	Madras.
20,59,225	29,54,496	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040	27,48,580	29,25,647	33,20,412	Bombay.
1,25,23,760	1,83,18,047	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,59,02,031	2,04,74,950	2,14,76,799	2,59,07,623	GRAND TOTAL.

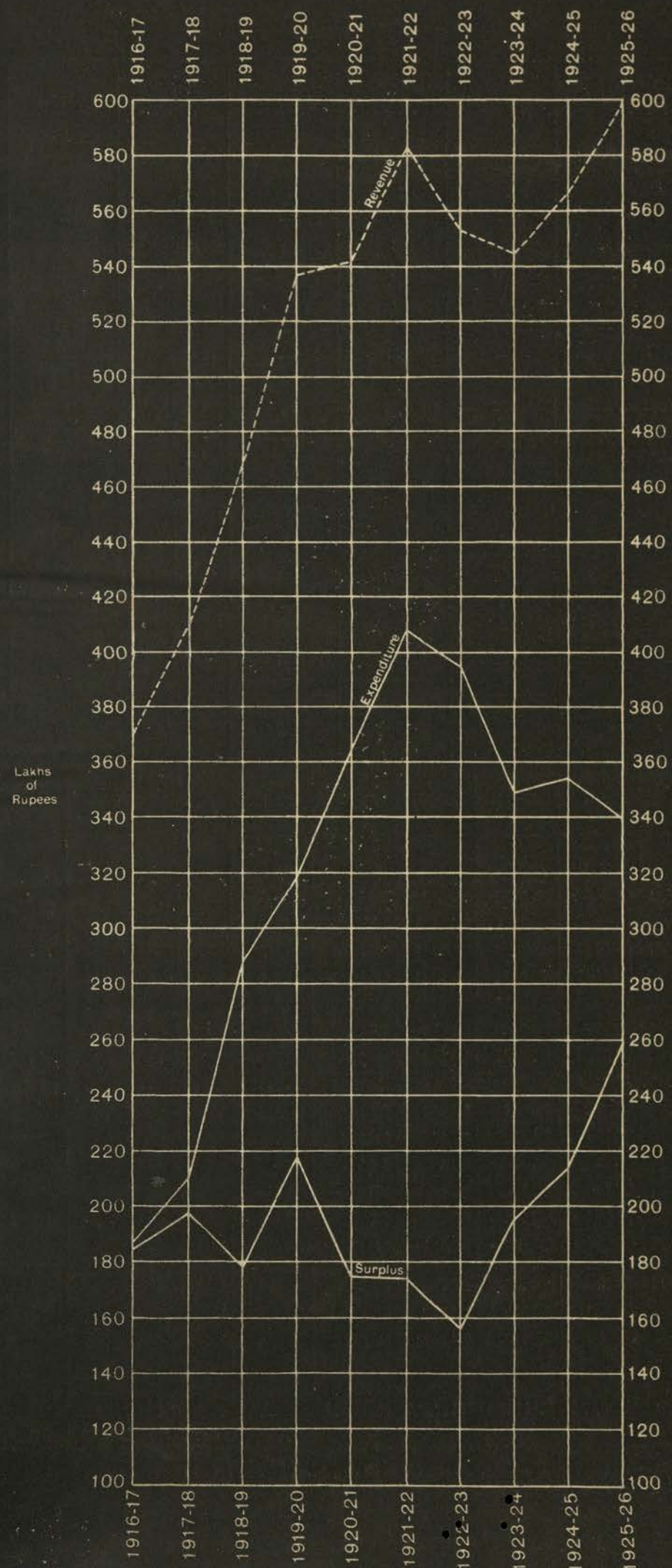
Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore.....Excludes Home charges.
Orissa.
to Bengal.

MGIPC—S5—IV-1-2—25-11-27—2 0.

DIAGRAM SHOWING

ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS.

FOR THE 10 YEARS 1916-17 TO 1925-26.



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Annual Return of Statistics relating to Forest Administration in British India for the year 1926-27

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APPENDIX.

Diagram showing annual forest revenue, expenditure and surplus for the years 1917-18 to 1926-27.

STATEMENT I.

Area of forests under the control of the Forest Department.

Province.		Forest area in square miles.				Percentage of forests to whole area of Province.	Remarks.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
1	2	3	4	5	6	7	8
Bengal	76,755	(a) 5,277	(b) 1,806	3,445	10,528	13·7	(a) Excludes 22 square miles of reserved forests not under the management of the Forest Department. (b) Excludes 51 square miles of other protected forests not under the control of the Forest Department.
United Provinces	106,720	(c) 5,168	4	38	5,210	4·8	(c) Includes 1 square mile of leased forests.
Punjab	97,281	(d) 1,637	(e) 4,371	641	6,649	6·8	(d) Includes 364 square miles of leased forests but excludes 499 square miles of reserved forests not under the control of the Forest Department. (e) Excludes 71 square miles not under the control of the Forest Department.
Burma	182,614	28,647	...	94,552	123,199	67·4	(f) Includes 155·5 square miles subject to *taungya* privileges.
Federated Shan States	60,593	(f) 3,067	...	(g) 21,541	24,608	40·6	(g) Excludes 22,210 sqaare miles of area without forest growth.
Bihar and Orissa	82,936	1,796	(h) 1,225	3	3,024	3·6	(h) Excludes 683 square miles not under the control of the Forest Department.
Assam	51,825	6,011	...	14,675	20,686	39·9	
Central Provinces (including Berar).	99,997	(i) 19,657	...	...	19,657	19·6	(i) Includes 174 square miles of leased forests.
Coorg	1,582	519	...	...	519	32·8	
North-West Frontier Province.	13,183	(j) 236	(k)	10	246	1·8	(j) Excludes 14 square miles of Civil and Military Reserved Forests. (k) 121 square miles of civil protected forests are not shown.
Ajmer	2,767	140	...	...	140	5·06	
Baluchistan (portions under British Administration).	54,228†	313	...	472	785	1·4	(l) Includes 27 square miles of Tekadi leased forests.
Andamans and Nicobar	3,143†	52	...	2,139	2,191	69·7	(m) Reserved lands.
Madras	143,290	(l) 19,028	...	(m) 328	19,356	13·5	(n) Includes 2,616 sq. mies of reserved and protected forests not under the management of the Forest Department.
Bombay (including Sind)	123,282	13,737	1,220	...	(n) 14,957	12·1	
Total 1926-27	1,000,146‡	105,285	8,626	137,844	251,755	22·8	
,, 1925-26	1,099,888‡	105,041	8,405	138,834	252,280	22·9	
,, 1924-25	1,099,972‡	103,764	8,278	117,854	229,896	20·8	
		2,870	...	21,575	24,445	...	
,, 1923-24	1,100,112	103,449	7,931	117,470	228,850	20·8	
,, 1922-23	1,100,902	100,922	7,238	115,544	223,704	20·3	

† Figures taken from the Census Report of 1921.

‡ Excluding Delhi Province and Pargana Manpur.

STATEMENT II.

Progress made in Forest Settlements during the year 1926-27.

Province.	Area in square miles.			Cost during year.		Entire cost per square mile of areas finally settled.
	Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.	
1	2	3	4	5	6	7
				Rs.	Rs.	Rs.
Bengal	...	104	1	6,838	...	...
United Provinces	...	1	5	350	...	...
Punjab	...	...	16	...	...	...
Burma	333	1,974	466	5,387	...	...
Federated Shan States	...	...	...	...	...	...
Bihar and Orissa	11	5	2	12,991	...	...
Assam	67	158	29	...	...	...
Central Provinces	...	...	2	...	...	...
Coorg	...	...	...	...	...	...
North-West Frontier Province	...	...	10	...	...	...
Ajmer	...	...	...	...	...	...
Baluchistan	...	...	...	...	...	...
Andamans	...	52	...	...	...	...
Madras	8	112	6	5,838	...	...
Bombay	29	100	33	1,298	...	...
Total 1926-27	448	2,506	570	32,702	...	...
1925-26	342	2,520	666	10,132	...	...
1924-25	651	2,662	1,056	11,003	...	15
1923-24	944	3,854	667	9,940	...	...
1922-23	478	3,627	629	27,219	...	...

STATEMENT III.

Demarcation and maintenance of boundaries.

Province.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal . . .	487	1,226	772	2,435	125	1,159	3,719	6,317	8,059
United Provinces .	11	2,839	5,751	8,601	12	2,858	11,471	6,720	17,251
Punjab . . .	...	1,467	7,122	8,589	1	1,378	9,968	782	7,089
Burma . . .	156	2,851	14,285	17,292	229	3,064	20,585	3,892	29,439
Federated Shan States	16	382	904	1,252	...	577	1,829	864	1,688
Bihar and Orissa .	9	3,462	1,309	4,780	22	379	5,181	41	3,118
Assam . . .	28	1,232	1,259	2,519	9	2,257	4,785	971	7,112
Central Provinces .	243	6,953	23,766	30,962	97	3,332	34,391	292	17,549
Coorg . . .	...	47	430	477	...	59	536	...	858
North-West Frontier Province.	...	172	605	777	...	139	916	...	1,124
Ajmer . . .	...	14	219	233*	...	158	391	...	299
Baluchistan . .	...	...	460	460	...	77	537	...	10
Andamans .	...	...	...	36	36	23	59	...	...
Madras . . .	137	18,012	7,229	25,243	546	2,441	28,230	5,361	3,016
Bombay	58	25,279	12,776	38,113	57	2,812	40,982	756	3,170
Total 1926-27 .	1,095	63,936	76,880	141,769	1,134	20,713	163,580	25,996	99,782
1925-26 .	438	68,957	79,504	149,412	1,405	20,872	171,613	9,849	1,05,757
1924-25 .	903	69,697	78,784	149,863	1,606	21,228	192,697	17,101	1,00,429
1923-24 .	650	66,450	82,091	149,670	1,399	19,739	170,808	15,953	98,520
1922-23 .	403	66,742	82,665	149,809	1,456	19,273	170,547	12,311	1,08,537

* Excludes 10 miles, the boundaries of the birs disforested.

STATEMENT IV.

Forest survey operations from 1st April 1926 to 31st March 1927.

Province.	Forest Surveyed.	Nature of survey operations.						Total area of detail survey.		Expenditure of the year including mapping and publishing charges debitable to "Forests".	Remarks.
		1" Detail survey.		2" Detail survey.		4" Detail survey.					
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.	1926-27.	Total up to date.		
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Andamans	...	...	...	...	...	...	...	...	527	.....	
Assam	Goalpara, Kamrup and Garo Hills.	285	...	60	...	...	...	345	5,538	.....	The area entered under 2 inch survey against Assam was surveyed on ½ inch scale cost of surveys not debitable to Forests.
Bengal	...	...	...	...	...	...	...	...	3,265	.....	
Bihar and Orissa.	Palamau	...	...	239·6	32·1	...	...	239·6	2055·7	11,365 6 0	Includes Rs. 10,510 cost of surveys.
	Chaibassa	*10·2	...	...	...	...	...	(a) 10·2			*Cost of surveys not debitable to Forests.
N.-W. F. P.	Hazara	...	...	...	...	20	...	20	465	967 2 0	Rs. 1,741 the cost of 4 inch surveys and triangulation will be debited to the Forest Department next financial year.
Baluchistan	...	...	...	...	...	...	...	...	227	.....	(a) Includes 0·9 square miles of Protected forest in Koilapal and 9·3 square miles of Chaibassa Encumbered Estate Forests.
Punjab	...	...	...	...	...	...	...	...	4,365	646 9 0	
United Provinces.	Banda	2	...	...	...	...	...	2	7142·7	297 11 0	Cost of surveys not debitable to "Forests".
	Jhansi	7·7	...	...	...	...	...	7·7			
Ajmer	...	...	...	...	...	...	...	...	144	.....	
Madras	...	...	...	...	...	...	...	...	18,057	.....	
India	...	...	...	...	...	...	...	...	...	91 8 0	
Coorg	...	...	...	...	...	...	...	...	478	.....	
Central Provinces.	...	...	...	...	...	...	...	...	19,535	2,513 1 0	
Bombay	Karachi	70·5	...	...	...	...	...	70·5	13,154·9	12,495 2 0	The area entered under 1-inch survey against Karachi was surveyed on 1½-inch scale and cost not debitable to Forest.
	West Nasik	...	...	...	...	47·5	208·5	47·5			Includes Rs. 10,900 cost of surveys.

STATEMENT IV—*contd.*

Forest survey operations from 1st April 1926 to 31st March 1927—*contd.*

Province.	Forest Surveyed.	Nature of survey operations. 1" Detail survey. Area.	1" Detail survey. Cost rate.	2" Detail survey. Area.	2" Detail survey. Cost rate.	4" Detail survey. Area.	4" Detail survey. Cost rate.	Total area of detail survey. 1926-27.	Total area of detail survey. Total up to date.	Expenditure of the year including mapping and publishing charges debitable to "Forests".	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
										Rs. A. P.	
Burma	Delta	102	...	62	113·9	...	...	164	23,038	1,90,996 15 0	The cost of area surveyed under 1-inch survey against Delta is not debitable to Forests.
	Thaton	...	...	.....	...	2	259	2			
	Yamethin	...	...	129	128·4	...	...	129			Excludes 8 sq. miles of unclassed forest Land surveyed on 2 inch scale.
	Magwe	...	...	76·5	128·4	35·8	245·3	112·3			Do. 3·3, Do.
	Meiktila	...	...	175·6	128·4	22·3	245·3	197·9			Do. 13 sq. miles on 2-inch and 5 sq. miles on 4-inch scale.
	Prome	...	...	...	...	18·9	245·3	18·9			Includes Rs. 1,88,098 cost of surveys 177·6 linear miles of boundary traverse and 24·4 linear miles of interior traverse were done.
	Mu	...	...	...	...	15·9	245·3	15·9			177 linear miles of boundary traverse and 24 linear miles of interior traverse were done.
	Mansi	...	...	...	...	...	...	...			130·1 linear miles of boundary traverse and 8·8 linear miles of interior traverse were done.
	Katha	...	...	...	...	...	...	...			
Total 1926-27	1st April 1926 to 31st March 1927.	477	...	743	...	162	...	1,382	97,982	2,19,371 6 0	The charges for mapping, publishing, etc., exclude Forest Map Office Head Quarter charges Rs. 36,000
1925-26	1st April 1925 to 31st March 1926.	382	...	215	...	409	...	1,006	96,600	2,46,983 2 0	Ditto 36,000
1924-25	1st April 1924 to 31st March 1925.	756	...	61	...	395	...	1,212	95,594	2,05,175 11 0	Ditto 30,000
1923-24	1st April 1923 to 31st March 1924.	281	...	924	...	25	...	2,568	94,382	5,24,078 0 0	Ditto 92,254
1922-23	1st April 1922 to 31st March 1923.	831	...	649	...	10	...	1,507	91,814	2,23,205 0 0	Ditto 92,124

STATEMENT V.

Progress made in working plans.

Province.	Area under sanctioned working plans.					Area not under working plans.				Revisions.			
	At commencement of the year.	Added during the year.	Deducted during the year.	At close of year.		Plans under preparation.	Plans not under preparation			Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	Expenditure on working plans during the year.
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.	Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.		Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	6,279	...	1	6,173	58	...	...	3,763	10,601 (a)	...	4,664	...	8,436
United Provinces	4,553	183	68	4,673	...	373	...	164	5,210	...	1,600	178	75,042
Punjab	2,437	18	6	2,449	37	134	141	3,925	6,649	12	517	...	2,673
Burma	12,120	2,345	28	14,437	50	6,914	4,164	3,132	28,647 (b)	1,605	2,743	429	86,617
Federated Shan States	1,063	64	21	1,136	37	12	137	1,782	3,067 (b)	184	...	...	...
Bihar and Orissa	1,485	...	...	1,485	49·11	67	...	1,472	3,024	415	183	...	879
Assam	238	44	36	246	...	530	3,416	16,494	20,686	...	...	...	292
Central Provinces	16,582	459	1	17,040	87	...	851	1,766	19,657	1,641	2,725	...	23,942
Coorg	519	104	104	519	100	...	...	...	519	519	140	...	...
North-West Frontier Province	236	...	...	236	100	10	...	...	246	...	76	21	1,561
Ajmer	142	...	...	140	...	...	...	...	140	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	785	785	...	...	...	...
Andamans	708	...	...	708	78	...	...	1,483	2,191	...	...	...	...
Madras	5,813	253	...	6,066	...	1,826	4,839	6,407	19,138 (c)	...	...	...	...
Bombay	7,909	551	51	8,409	67	388	616	3,162	12,575 (d)	752	1,050	936	8,857
Total 1926-27	60,089	4,021	316	63,717	47·8	10,254	14,164	44,335	133,135	5,128	13,698	1,564	2,08,296
,, 1925-26	61,439	303	269	60,950	46·2	10,855	17,442	42,761	132,682	4,795	8,700	254	1,74,586
,, 1924-25	51,313	3,580	530	54,354	44·6	9,421	16,794	41,228	121,718	4,323	6,230	1,493	1,09,301
,, 1923-24	56,056	3,449	659	58,846	44·9	9,493	16,308	46,465	131,107	6,536	5,805	3,520	1,19,133
,, 1922-23	57,463	768	1,598	56,633	25 6	8,303	19,540	139,228	220,712	9,382	6,623	1,706	94,505

(a) Includes the area of 22 square miles of reserved forests and 51 square miles of other protected forests, which if added to figures shown in column 6 of Statement I will agree with this total.

(b) Excluding unclassed forests

(c) Includes 91 square miles of reserved lands and 46 square miles of leased forests under working plans, which if added to figures shown in column 3 of Statement I will agree with this total.

(d) Includes 234 square miles of Kanara Coast Division, which if added to figures shown in column 6 of Statement I will agree with this total.

STATEMENT VI.

Expenditure on communications and buildings.

Province.	New Works.		Repairs.		Other Works.	Total.
	Buildings.	Roads and paths.	Buildings.	Roads and paths.		
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	1,24,140	59,593	44,876	43,547	16,653	2,88,809
United Provinces	1,26,686	41,698	94,659	1,81,638	21,260	4,65,941
Punjab	50,325	32,313	26,226	27,786	8,016	1,44,666
Burma	1,25,213	2,84,059	1,25,455	1,46,768	98,694	7,80,189
Federated Shan States	4,855	4,759	5,525	2,130	1,680	18,949
Bihar and Orissa	53,824	19,705	21,711	35,980	6,015	1,37,235
Assam	41,135	23,328	42,615	1,37,203	17,387	2,61,668
Central Provinces	1,27,957	95,322	62,820	78,968	36,866	4,01,953
Coorg	5,564	5,971	6,303	6,604	2,147	26,589
North-West Frontier Province	10,208	13,387	6,014	6,311	1,364	37,284
Ajmer	1,328	259	3,1	985	1,091	4,034
Baluchistan	...	50	298	25	...	373
Andamans	77,198	4,244	822	130	4,762	87,156
Madras	1,36,994	1,42,035	73,571	1,07,073	19,764	4,79,437
Bombay	61,312	1,00,934	43,477	1,10,829	20,913	3,37,665
Total 1926-27	9,46,939	8,27,657	5,54,743	8,85,997	2,56,612	34,71,948
,, 1925-26	5,76,767	5,82,838	5,18,251	7,68,474	2,19,498	26,65,828
,, 1924-25	8,72,745	6,65,589	5,10,974	7,07,558	2,01,766	29,58,362
,, 1923-24	6,96,715	6,85,990	4,79,350	6,77,862	1,73,548	27,13,465
,, 1922-23	8,05,788	10,00,959	4,70,949	6 66 099	2 99.615	32,43,410

STATEMENT VII.

Breaches of forest rules.

Province.	Cases pending from 1924-25.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Conviction.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bengal . . A.	75	...	184	7	54	245	320	188	560	32	80	220	640	70
Bengal . . B.	103	5	1,620	1,484	1,457	4,566	4,669	4,516	7,844	14	23	4,530	7,867	128
Bengal . . C.	...	58	170	1	27	256	256	...	...	...	...	...	...	...
Bengal . . Total	178	63	1,974	1,492	1,538	5,067	5,245	4,704	8,404	46	103	4,750	8,507	198
United Provinces. A.	58	14	47	29	52	142	200	117	235	30	71	147	306	53
United Provinces. B.	306	66	1,815	2,076	451	4,408	4,714	3,958	9,837	414	888	4,372	10,725	342
United Provinces. C.	...	155	144	19	27	345	345	...	...	...	...	...	...	...
United Provinces. Total	364	235	2,006	2,124	530	4,895	5,259	4,075	10,072	444	959	4,519	11,031	395
Punjab . . A.	791	9	405	387	301	1,102	1,893	980	1,373	176	447	1,156	1,820	690
Punjab . . B.	990	45	2,727	6,279	3,006	12,057	13,047	11,864	16,864	...	...	11,864	16,864	1,151
Punjab . . C.	...	179	5	24	34	242	242	...	...	...	...	...	...	...
Punjab . . Total	1,781	233	3,137	6,690	3,341	13,401	15,182	12,844	18,237	176	447	13,020	18,684	1,841
Burma . . A.	...	6	1,616	15	251	1,888	2,409	1,473	2,153	177	365	1,650	2,518	...
Burma . . B.	...	118	6,794	184	1,879	8,975	10,505	7,853	9,834	...	...	7,853	9,834	...
Burma . . C.	...	...	71	...	15	86	86	...	...	...	...	...	...	...
Burma . . Total	*2,051	124	8,481	199	2,145	10,949	13,000	9,326	11,987	177	365	9,503	12,352	*3,008
Federated Shan States. A.	...	...	2	16	4	22	22	18	43	...	...	18	43	...
Federated Shan States. B.	...	...	42	28	34	104	116	101	133	...	...	101	133	...
Federated Shan States. C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Federated Shan States. Total	*12	...	44	44	38	126	138	119	176	...	...	119	176	*15
Bihar and Orissa. A.	36	5	108	28	39	180	216	139	480	15	63	154	543	39
Bihar and Orissa. B.	75	7	1,470	297	126	1,900	1,975	1,840	5,610	4	16	1,844	5,626	126
Bihar and Orissa. C.	...	74	23	...	...	97	97	...	...	...	...	...	...	...
Bihar and Orissa. Total	111	86	1,601	325	165	2,177	2,288	1,979	6,090	19	79	1,998	6,169	165
Assam . . A.	82	...	154	13	45	212	294	184	309	39	85	223	394	71
Assam . . B.	464	...	1,148	80	254	1,482	1,946	1,760	2,589	3	9	1,763	2,598	183
Assam . . C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Assam . . Total	546	...	1,302	93	299	1,694	2,240	1,944	2,898	42	94	1,986	2,992	254
Central Provinces. A.	25	3	74	142	32	251	276	164	381	69	198	233	579	39
Central Provinces. B.	2,464	87	8,000	9,360	1,176	19,123	21,587	18,758	46,739	3	3	18,761	46,742	2,826
Central Provinces. C.	...	306	613	27	32	978	978	...	...	...	...	...	...	...
Central Provinces. Total	2,489	396	8,687	10,029	1,240	20,352	22,841	18,922	47,120	72	201	18,994	47,321	2,865
Coorg . . A.	2	...	1	1	1	3	5	2	2	2	7	4	9	1
Coorg . . B.	...	...	13	9	9	31	31	28	71	3	5	31	76	...
Coorg . . C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Coorg . . Total	2	...	14	10	10	34	36	30	73	5	12	35	85	1
North-West Frontier Province. A.	88	39	126	88	29	282	370	197	385	30	90	227	475	124
North-West Frontier Province. B.	...	...	1,200	1,692	31	2,923	2,923	2,923	4,337	...	...	2,923	4,337	...
North-West Frontier Province. C.	...	10	20	10	1	41	41	...	...	...	...	...	...	...
North-West Frontier Province. Total	88	49	1,346	1,790	61	3,246	3,334	3,120	4,722	30	90	3,150	4,812	124

* Burma and Federated Shan States have not shown separately "A", "B" and "C" in columns 2 and 15. They have given the totals only.

STATEMENT VII—*contd.*

Breaches of Forest rules—contd.

Province.		Cases pending from 1925-26.	New Cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Totals.		
									Cases.	Persons	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ajmer	A.	2	1	...	5	...	6	8	6	15	...	3	6	18	2
	B.	...	7	522	1,252	31	1,812	1,812	1,807	4,701	5	7	1,812	4,708	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	2	8	522	1,257	31	1,818	1,820	1,813	4,716	5	10	1,818	4,726	2
Baluchistan	A.	3	1	15	11	1	28	31	20	72	...	...	20	72	11
	B.	...	....	61	136	3	200	200	200	224	...	...	200	224	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	3	1	76	147	4	228	231	220	296	...	...	220	296	11
Andamans	A.	...	...	11	...	...	11	11	6	10	3	4	9	14	2
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	11	...	...	11	11	6	10	3	4	9	14	2
Madras	A.	2,582	71	3,826	1,033	233	5,163	7,745	3,431	8,906	2,602	7,326	6,033	16,232	1,712
	B.	2,867	99	14,074	3,677	1,096	18,946	21,813	15,534	32,974	1,936	4,180	17,470	37,154	4,343
	C.	2	785	406	13	8	1,212	1,214	...	...	...	...	...	...	...
	Total	5,451	955	18,306	4,723	1,337	25,321	30,772	18,965	41,880	4,538	11,506	23,503	53,386	6,055
Bombay	A.	186	65	328	145	55	593	776	561	1,538	58	160	619	1,693	157
	B.	1,223	255	8,120	6,928	1,803	17,106	18,307	17,048	40,708	...	...	17,043	40,708	1,259
	C.	...	1,624	1,428	37	53	3,142	3,167	...	...	...	...	...	...	...
	Total	1,409	1,944	9,876	7,110	1,911	20,841	22,250	17,609	42,246	58	160	17,667	42,406	1,416
Grand Total	A.	8,930	214	6,897	1,920	1,097	10,128	14,576	7,486	16,442	3,233	8,899	10,719	25,361	2,971
	B.	8,492	689	47,606	33,982	11,359	93,633	1,03,645	88,190	1,82,465	2,382	5,131	90,572	1,87,596	10,358
	C.	2	3,192	2,880	131	197	6,399	6,426	...	...	...	...	...	...	...
Total 1926-27		12,424	4,095	57,383	36,033	12,653	1,10,160	1,24,647	95,676	1,98,907	5,615	14,030	1,01,291	2,12,957	13,329
,, 1925-26		14,627	4,270	54,554	36,126	11,719	106,629	119,950	93,921	198,822	6,507	17,273	100,433	215,796	14,608
,, 1924-25		16,443	4,397	53,402	34,013	10,134	101,885	118,328	90,469	198,111	6,017	15,878	96,486	213,989	12,625
,, 1923-24		15,048	4,157	52,745	31,136	9,335	97,373	112,421	84,266	193,224	4,998	14,497	89,264	207,721	16,105
,, 1922-23		14,973	4,298	49,505	30,611	7,875	92,289	105,279	80,456	182,488	4,956	13,913	85,412	196,401	14,936

N.B.—A. Cases taken into Court.
B. Cases compounded.
C. Undetected cases.

STATEMENT VIII.

Area protected from fire.

Province.	Area in square miles.		Percentage of forests under fire protection to total area of reserves.	Percentage of failure to area attempted.		Remarks.
	Attempted.	Protected.		Average of past five years to 1925-26.	1926-27.	
1	2	3	4	5	6	7
Bengal	1,309	1,300	24·8	4·2	0·7	
United Provinces	3,220	3,183	62·3	6·7	1·1	
Punjab	1,330	1,307	81·2	3·9	1·7	
Burma	134	126	0·5	7·7	5·9	
Federated Shan States	2	2	0·06	...	...	
Bihar and Orissa	1,537	1,487	85·6	8·5	3·2	
Assam	12	11	0·18	29·6	8·3	
Central Provinces	6,182	5,996	31·4	3·01	3·01	
Coorg	164	163	31·6	3·9	0·6	
North-West Frontier Province	78	75	33·0	11·3	3·8	
Ajmer	140	140	100·0	0·1	...	
Madras	16,709	16,180	87·7	3·5	3·1	
Bombay	8,002	7,688	58·2	21·4	3·9	
Total 1926-27	38,814	37,659	36·9	9·0	2·9	
„ 1925-26	41,941	40,811	39·9	5·7	28·0	
„ 1924-25	44,201	42,847	42·6	10·0	3·1	
„ 1923-24	44,528	42,571	43·0	10·0	4·4	
„ 1922-23	41,857	30,189	41·5	5·6	27·9	

STATEMENT IX.

Causes of forest fires.

Province.	Fires originating in Departmental Fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		Total.	
	2	3	4	5	6	7	8	9	10	11	12	13
	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal	4	1	16	2	17	1	9	1	13	4	59	9
United Provinces	34	8	16	1	74	8	13	5	51	16	188	38
Punjab	18	2	15	5	167	2	103	14	19	2	322	25
Burma	2	...	15	1	29	5	...	...	18	2	64	8
Federated Shan States	...	...	...	...	...	...	...	...	...	...	...	...
Bihar and Orissa	2	2	7	8	10	7	3	1	58	32	80	50
Assam	1	...	...	...	1	...	4	...	...	...	6	...
Central Provinces	15	35	41	27	72	30	2	...	218	78	348	170
Coorg	4	...	5	...	...	...	...	...	2	...	11	...
North-West Frontier Province	...	...	4	...	8	...	35	3	...	...	47	3
Ajmer	...	...	...	...	...	...	...	...	1	...	1	...
Baluchistan	...	...	1	...	...	...	...	...	...	...	1	...
Andamans	...	...	...	...	...	...	...	...	...	...	...	...
Madras	30	2	162	64	411	129	376	121	473	206	1,452	522
Bombay	136	26	182	34	528	86	134	20	964	305	1,944	471
Total 1926-27	246	76	464	142	1,317	268	679	165	1,817	645	4,523	1,296
„ 1925-26	172	33	501	178	1,284	317	603	123	1,888	620	4,448	1,271
„ 1924-25	183	49	447	160	1,286	291	583	114	1,744	732	4,243	1,376
„ 1923-24	106	32	331	199	803	229	384	87	15,750	877	3,194	1,423
„ 1922-23	191	62	560	399	1,037	367	1,290	784	2,125	1,084	5,017	2,496

STATEMENT X.

Area closed and open to grazing.

Area in Square Miles.

Province.	Closed to all animals.		Open to grazing.				Total area.
			Of all animals.		Of all animals except browsers (camels, sheep and goats.)		
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
Bengal	6,283	...	4,192	...	63	63	10,601
United Provinces	2,116	70	2,201	13	804	6	5,210
Punjab	393	177	5,456	128	357	133	6,649
Burma	21,346	...	62	162	2,756	4,321	28,647
Federated Shan States	2,208	...	...	81	717	61	3,067
Bihar and Orissa	610	...	404	223	1,730	54	3,021
Assam	4,101	...	14,998	...	1,587	...	20,686
Central Provinces	3,164	26	3,921	...	12,488	58	19,657
Coorg	87	432	...	...	...	432	951
North-West Frontier Province	62	...	8	...	165	...	235
Ajmer	10	128	...	...	3	128	269
Baluchistan	192	9	53	8	34	16	312
Andamans	52	...	...	...	359	...	411
Madras	1,979	561	15,928	26	849	9	19,352
Bombay	2,096	304	4,068	...	8,489	...	14,957
TOTAL 1926-27	44,699	1,707	51,291	641	30,401	5,286	134,025
1925-26	45,109	1,731	50,240	573	30,470	5,679	133,802
1924-25	45,856	2,036	51,842	569	29,782	5,640	135,725
1923-24	46,212	1,704	51,129	595	27,865	5,301	132,806
1922-23	45,228	1,911	143,661	680	27,945	5,186	224,613

STATEMENT XI.

PROTECTION FROM CATTLE.

Province.	Grazed on payment, number of animals.									
	At full rates.					At privileged rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
1	2	3	4	5	6	7	8	9	10	11
Bengal	3,507	50,505	187	...	91	384	21,762	...	...	10
United Provinces	71,945	171,407	127,453	2,538	2,916	7,212	25,731	6,797	...	57
Punjab	12,055	31,561	400,730	*106,476	2,038	298	13,758	500,828	3:6	281
Burma	4,354	28,642	...	...	...	10	21	...	...	...
Federated Shan States	3,554	1,851	...	...	102	...	...	...	...	...
Bihar and Orissa	8,693	35,986	2,064	5	...	7,902	14,558	...	...	...
Assam	10,116	3,580	258	...	276	541	...	...	...	...
Central Provinces	276,414	735,652	442,312	59	2,864	134,524	1,802,162	3,252	...	162
Coorg	379	4,036	...	...	...	...	...	...	...	...
North-West Frontier Province	3,458	6,519	996	...	65	...	...	...	...	...
Ajmer	786	7,473	...	...	...	3,491	17,559	...	...	...
Baluchistan	...	1,607	8,733	529	312	...	...	...	...	...
Madras	69,623	645,856	457,766	...	48	11,010	104,184	21,536	...	...
Bombay	28,782	97,913	76,527	806	4,438	218,001	1,023,046	439,232	...	3,729
Total 1926-27	493,666	1,822,588	1,517,086	110,404	13,150	383,373	3,022,752	971,465	396	4,239
„ 1925-26	433,186	2,249,584	1,635,230	39,670	13,483	3,72,472	2,967,923	1,012,376	1,139	4,547
„ 1924-25	1,705,573		1,552,369	61,763	13,467	9,337,344		1,080,127	741	6,636
„ 1923-24	614,261	2,001,330	1,553,633	67,871	13,025	1,351,497	2,023,470	900,337	1,247	4,129
„ 1922-23	232,301	1,030,338	1,016,118	50,915	11,212	179,885	1,807,728	890,578	1,491	5,262

*Average for the years 1925-26 and 1926-27.

MENT XI.

from cattle.

Grazed free, number of animals.										Total number of animals grazed.
By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	1,433	4,493	42	...	13	82,427
39,510	457,807	43,548	...	1,391	6,958	35,627	61.070	...	189	1,062,156
132,269	650,191	1,297,956	285	184,331	4,056	25,775	1,440	7,836	3,705	3,376,325
167,215	269,192	...	...	1,131	13,866	2,837	...	...	11,902	499,170
2,257	10,798	...	...	...	1,262	...	...	...	307	20,131
46,653	235,005	52,289	...	5	303	1,435	970	...	30	405,838
29	88	...	...	...	5,757	7,471	2,410	...	...	30,526
...	375	...	...	...	2,179	237,360	197	...	129	3,637,641
35	713	...	...	...	1,464	19,019	...	...	...	25,646
5,366	6,699	...	...	...	...	...	...	...	...	23,103
...	...	...	...	...	2,798	11,449	....	...	...	43,556
...	3,310	33,226	1	1,193	...	...	...	...	...	48,902
527	8,961	2,930	...	...	8,085	58,742	3,220	...	...	1,392,309
9,746	24,793	...	...	63	87,692	413,361	1,901	770	2,307	2,483,107
403,607	1,667,932	1,429,949	286	188,114	135,853	817,569	71,250	8,606	18,582	13,080,697
388,352	1,739,834	1,451,429	286	190,344	139,606	828,434	69,778	5,178	18,690	13,561,541
386,595	1,687,641	1,459,837	286	188,193	1,014,592		148,427	1,600	19,028	18,614,219
367,107	1,739,979	1,444,557	286	188,014	562,726	404,343	65,603	1,461	17,116	13,331,9
365,575	1,789,026	1,441,645	286	189,217	128,484	615,890	68,244	1,226	19,043	9,844,464

STATEMENT XII.

Progress on reproduction and afforestation.

Province.	Area in acres at close of the year.			Expenditure during the year.
	Under regeneration.	Area on which regeneration is complete.	Plantations not under working plans.	
1	2	3	4	5
Bengal	380	15,505	3,436	68,970
United Provinces	115,066	27,285	4,894	1,31,077
Punjab	10,178	27,913	5,041	2,53,327
Burma	894	1,26,790	*	30,29,365
Federated Shan States	198	230	*	23,808
Bihar and Orissa	26,297	89,414	3,941	11,012
Assam	61	31	6,655	17,160
Central Provinces	12,875	6,224	13,275	3,575
Coorg	511	2,755	6,453	12,190
North-West Frontier Province	3,749	51	42	2,676
Ajmer	15,974	1,735	...	123
Baluchistan	...	...	67	848
Andamans	...	...	2,893	3,302
Madras	1,192	19,942	31,625	88,891
Bombay	94,219	183,671	257,861	75,167
Total 1926-27	281,534	501,546	336,183	37,21,411
Total 1925-26	171,119	332,803	516,473	7,33,598

Included in Col. 3.

STATEMENT XIII.

Outturn of forest produce.

Province.	Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.		Average Outturn Per Square Mile.							
									Reserved Forests.		Protected Forests.		Unclassed Forests.		Total.	
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal . .	(a) 33,985,000	4,72,399	1,102,000	15,767	2,469,000	63,883	37,556,000	5,52,049	6,440	89	610	8	716	18	3,567	52
United Provinces	(b) 33,569,000	16,90,971	4,000	489	82,000	7,652	33,655,000	16,98,312	6,495	327	1,000	122	2,158	201	6,459	325
Punjab . .	(b) 12,327,000	(b) 14,02,995	13,894,000	12,75,654	5,091,000	49,933	31,412,000	27,28,582	7,530	857	3,201	291	7,942	77	4,722	410
Burma . .	41,606,000	4,69,913	...	...	62,428,000	5,59,675	104,034,000	10,28,988	1,452	16	...	...	660	5	844	8
Federated Shan States .	3,805,000	51,264	...	...	(c) 2,251,700	4,47,906	6,056,700	4,99,170	1,240	16	...	...	104	20	246	20
Bihar and Orissa.	3,507,000	1,19,802	4,985,000	1,41,529	2,000	...	8,494,000	2,61,331	1,952	66	4,069	115	666	...	2,808	86
Assam .	† 7,781,000	† 2,85,634	...	...	11,696,000	5,76,742	19,477,000	8,62,376	1,294	47	...	...	797	30	941	41
Central Provinces	33,228,000	(b) 7,51,001	...	11,06,821	...	1,29,263	33,228,000	29,87,085	1,690	38	...	...	...	...	1,690	152
Coorg . .	262,060	25,817	165,407	189	...	...	427,467	26,006	505	49	...	...	...	...	823	50
North-West Frontier Province.	‡ 2,952,000	67,488	...	...	...	...	2,952,000	67,488	12,508	286	...	...	...	...	12,000	274
Ajmer . .	458,521	50,064	...	...	...	...	458,521	50,064	3,275	357	...	...	...	...	3,275	357
Baluchistan .	144,008	44,327	...	...	270,114	31	415,022	44,358	463	142	...	...	572	...	528	56
Andamans . .	169,425	2,698	...	...	2,374,771	4,644	2,544,196	7,342	3,258	52	...	...	1,110	2	1,161	3
Madras . .	(b) 20,024,000	17,84,113	...	...	(d) 5,615,000	1,44,553	25,639,000	19,28,666	1,052	94	...	...	17,119	440	1,324	99
Bombay . .	(b) 54,430,000	18,44,597	1,236,000	1,589	21,000	...	(e) 55,687,000	18,46,186	3,962	134	1,102	1	...	...	3,733	123
Total 1926-27 .	248,248,914	90,61,583	21,486,407	25,42,038	93,300,585	29,84,282	362,035,906	1,45,87,903	2,358	86	2,491	292	669	21	1,438	58
,, 1925-26	241,011,023	22,25,275	25,963,135	23,02,410	94,730,893	27,73,276	361,704,651	1,43,00,961	2,294	88	3,089	274	682	19	1,433	56
,, 1924-25 .	237,628,004	1,07,01,199	26,533,649	12,46,907	91,128,147	17,65,485	255,289,800	1,37,13,591	2,290	103	3,205	151	773	15	1,110	60
,, 1923-24 .	243,914,669	1,10,36,255	27,542,607	18,66,904	83,129,605	19,33,131	353,686,881	1,48,36,290	2,349	107	3,473	235	706	16	1,545	65
,, 1922-23 .	231,168,091	1,15,54,229	37,957,254	11,87,870	90,833,629	18,29,419	349,958,974	1,45,71,518	2,191	114	5,244	164	786	16	1,56[illegible]	65

(a) Includes leased lands.
(b) ,, ,, forests.
(c) Unreserved forests.
(d) Reserved and unreserved lands.
(e) Sandal wood—
Kh. M. lbs.
333 1 25
Rejected pieces 6 cart loads.
trees, 222
billets, 54
roots, 70 ; Kodli chalav 58 cart loads.
bachichalav 67 bags.
† Includes shared forests.
‡ ,, Guzara forests.

D

STATEMENT XIV.

Forest produce removed by different agencies.

Part I.—Timber and Fuel.

Province.	Timber.					Fuel.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	624,000	20,645,000	17,000	...	21,286,000	653,000	1,5207,000	410,000	...	16,270,000
United Provinces	816,000	7,469,000	109,000	808,000	9,193,000	461,000	9,985,000	1,102,000	12,914,000	24,462,000
Punjab	1,320,000	9,062,000	61,000	1,257,000	5,740,000	3,412,000	3,255,000	36,000	18,969,000	25,672,000
Burma	3,931,000	43,068,000	339,000	938,000	49,176,000	1,513,000	50,224,000	377,000	2,744,000	54,858,000
Federated Shan States	2,100	4,627,000	33,000	203,700	4,865,800	46,400	814,900	...	329,600	1,190,900
Bihar and Orissa	172,000	1,769,000	16,000	317,000	2,274,000	93,000	2,875,000	17,000	3,235,000	6,220,000
Assam	475,000	9,513,000	639,000	...	10,627,000	188,000	4,228,000	4,427,000	7,000	8,850,000
Central Provinces	5,836,000	4,423,000	433,000	...	10,692,000	6,825,000	14,020,000	1,567,000	124,000	22,536,000
Coorg	78,584	55,198	350	...	134,132	114,860	178,475	...	...	293,335
North-West Frontier Province	608,000	82,000	2,000	4,000	696,000	274,000	446,000	1,220,000	316,000	2,256,000
Ajmer	...	3,664	...	528	3,192	246,572	206,756	...	...	455,328
Baluchistan	27	7,350	845	...	8,222	18,472	388,208	120	...	406,800
Andamans	1,523,027	11,131	37,650	38,379	1,610,187	214,260	301,540	301,200	117,000	934,000
Madras	1,691,000	2,809,000	182,000	25,000	4,707,000	1,869,000	18,570,000	464,000	29,000	20,932,000
Bombay	1,392,000	3,766,000	73,000	310,000	5,532,000	3,246,000	36,603,000	82,000	10,224,000	50,155,000
Total 1926-27	18,468,738	102,220,343	1,962,845	3,892,607	126,544,533	19,174,573	157,304,879	10,003,320	49,006,600	235,491,372
,, 1925-26	602,680,112	71,109,399	1,414,450	4,212,373	679,416,339	14,689,579	157,490,550	8,862,154	54,784,800	235,327,132
,, 1924-25	16,316,960	91,952,000	2,172,331	3,376,236	113,817,527	16,592,147	151,277,782	7,539,103	54,979,476	230,388,508
,, 1923-24	15,289,026	88,667,774	2,102,118	4,160,117	110,219,035	16,743,146	159,147,925	8,076,182	60,347,876	244,315,129
,, 1922-23	14,074,963	86,531,547	2,116,348	4,017,237	107,649,095	19,778,094	140,514,225	10,524,440	71,849,120	242,665,879

STATEMENT XIV—*contd.*

Forest produce removed by different agencies—*contd.*

Part II.—Value of minor forest produce.

Province.	Bamboos.					Grazing and Fodder Grass.					Other Minor produce.				
	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.	By Government.	By purchasers.	By free grantees.	By right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal . . .	137	1,40,095	755	...	1,40,987	...	32,938	31,229	...	64,167	12,870	3,30,772	3,253	...	3,46,895
United Provinces .	212	1,54,379	106	7,570	1,62,267	6,954	2,03,592	14,727	3,13,940	5,39,114	4,57,431	4,85,477	7,518	46,405	9,96,831
Punjab . . .	51,817	364	...	99	52,280	7	1,74,713	46,414	20,12,799	22,33,933	3,72,405	24,612	154	45,198	4,42,369
Burma . . .	303	2,92,567	98	13,170	3,06,133	...	17,882	54,958	1,45,420	2,18,260	11,304	4,54,888	675	37,728	5,04,595
Federated Shan States.	...	10,557	...	2,212	13,069	...	4,451	7,504	7,184	19,139	4	4,51,226	94	15,638	4,66,962
Bihar and Orissa .	6,025	58,039	586	1,620	66,270	3	16,270	1,025	1,15,636	1,32,934	10,325	46,650	95	4,857	62,127
Assam . . .	28	84,538	20,362	...	1,04,928	...	32,677	21,402	119	56,198	71,761	4,48,107	1,82,382	...	7,02,250
Central Provinces .	3,782	4,16,368	13,409	...	4,34,059	17,994	15,65,766	1,35,861	374	17,19,995	1,36,692	6,47,192	46,747	2,400	8,33,031
Coorg . . .	5	2,081	3	...	2,089	...	1,189	...	...	1,189	...	22,728	...	...	22,728
North-West Frontier Province.	...	...	...	...	...	...	8,337	454	5,687	14,478	52,210	670	30	100	53,010
Ajmer . . .	...	628	...	...	628	2,010	12,526	8,588	22,297	45,421	465	3,550	...	...	4,015
Baluchistan . .	...	...	...	...	...	...	1,832	...	41,470	43,302	23	655	378	...	1,056
Andamans . .	45	112	1,255	106	1,518	...	...	...	...	...	391	1,143	4,142	148	5,824
Madras . . .	13,738	3,96,196	1,168	176	4,11,278	170	7,16,287	12,556	6,595	7,35,608	23,293	7,556,698	1,886	903	7,81,780
Bombay . .	75	1,40,166	507	52,143	1,92,891	...	7,68,566	32,398	5,68,069	13,69,033	19,997	2,22,059	3,179	39,027	2,84,262
TOTAL 1926-27 .	76,167	16,96,690	38,244	77,096	18,88,397	27,038	35,58,027	43,67,116	32,39,590	71,91,771	11,69,171	38,95,627	2,50,533	1,92,404	55,07,735
„ 1925-26 .	82,629	16,43,768	28,327	95,814	18,50,53	10,547	36,86,387	3,74,253	32,82,033	73,53,120	10,66,645	36,03,989	2,37,613	2,00,036	51,08,283
„ 1924-25 .	1,00,726	15,07,229	33,499	58,229	16,99,688	14,145	39,52,535	3,87,309	32,60,637	76,14,626	10,88,097	32,44,621	2,33,471	2,01,145	47,67,344
„ 1923-24 .	1,45,443	16,09,620	31,164	60,123	18,46,350	31,310	37,71,556	3,79,092	35,43,406	77,25,664	8,58,414	39,13,483	2,25,883	2,72,513	52,70,292
„ 1922-23 .	86,105	15,19,146	38,488	1,18,461	17,71,140	17,576	34,64,968	4,47,417	34,91,293	74,21,164	19,99,668	29,57,079	2,47,056	1,79,594	53,83,397

STATEMENT XV.

Exports of forest produce.

Articles of forest produce.	Quantity in tons of 20 cwt. (in the case of teak and other timbers, cubic tons.)		Valuation at port of shipment in 1926-27.	
	Average of 5 years 1921-22 to 1925-26.	In 1926-27.	Total.	Per ton.
1	2	3	4	5
			Rs.	Rs.
Caoutchouc, raw	7,086	10,270	2,60,14,317	2,536
Lac — Button	896	1,031	21,77,139	2,112
Lac — Shell	19,043	21,247	4,32,44,631	2,035
Lac — Stick, seed and other kinds	3,700	7,322	93,01,818	1,270
Cutch and gambier	2,292	2,004	8,64,959	432
Myrabolams	63,864	68,882	81,54,302	118
Cardamums	251	416	25,59,885	6,154
Sandal	684	866	14,87,624	1,718
Teak	39,388	53,893	1,40,44,978	261
Other kinds of wood and timber	*	*	4,80,356	...
TOTAL 1926-27	...	...	10,83,30,009	...
„ 1925-26	...	...	12,84,97,713	...
„ 1924-25	...	...	11,43,32,316	...
„ 1923-24	...	...	12,45,12,059	...
„ 1922-23	...	...	12,80,29,184	...

* Quantity not recorded.

STATEMENT XV (*a*).

Year (calendar).	Imports of timber into British India, 1923-1927.		Imports of sleepers of wood for railways into British India, 1923-1927.	
	Cubic tons.	Rs.	Tons.	Rs.
1923	30,428	39,75,721	29,447	39,25,249
1924	30,765	32,68,227	645	87,662
1925	‡31,156	‡28,70,856	14,238	14,91,246
1926	‡23,102	‡27,49,637	25,734	31,17,949
1927	‡26,002	‡33,44,387	14,704	16,60,677

‡ Represent figures for deal and pine wood, jarrah wood and teak wood only from April 1925. Figures prior to April 1925 include certain kinds of unspecified timber, separate figures of which are no longer available.

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

Province.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	3,354	54,804	37,988	36,540	3,253	1,35,939
United Provinces	88,000	1,22,000	8,000	...	55,000	2,73,000
Punjab	78,828	7,60,027	...	...	21,04,664	29,43,519
Burma	1,36,026	3,153	93	54,958	675	1,94,905
Federated Shan States	5,047	...	...	7,504	94	12,645
Bihar and Orissa	45,843	89,240	2,255	1,17,597	5,953	2,60,888
Assam	41,874	53,640	20,362	21,521	1,82,382	3,19,779
Central Provinces	59,130	65,422	18,965	12,12,364	32,381	13,88,262
Coorg	...	...	...	5,495	...	5,495
North-West Frontier Province	2,299	43,126	...	6,241	30	51,696
Ajmer	106	...	...	28,482	...	28,588
Baluchistan	153	7	...	41,848	...	42,008
Andamans	5,713	3,564	1,361	...	4,290	14,928
Madras	36,379	7,695	1,187	19,172	3,603	68,036
Bombay	88,820	2,34,069	52,650		42,206	10,18,192
TOTAL, 1926-27	5,91,572	14,36,747	1,42,861	21,52,169	24,34,531	67,57,880
,, 1925-26	5,47,210	13,20,108	1,47,125	24,93,462	24,22,153	69,30,058
,, 1924-25	4,68,901	13,13,849	96,891	44,72,409	3,79,190	67,31,240
,, 1923-24	4,76,177	14,88,577	91,096	34,80,661	3,97,733	59,34,244
,, 1922-23	5,75,162	18,05,969	1,98,619	46,44,162	4,34,589	76,58,501

STATEMENT XVII.

Details of revenue and expenditure for the Forest year 1926-27.

				Rs.	Percentage of each item to total.
Gross Receipts	(a) Wood			4,90,20,050	79·1
	(b) Minor forest produce			43,94,179	7·1
	(c) Forest stamps and Commutation fees for forest produce			1,03,173	0·1
	(d) Grazing			38,20,877	6·2
	(e) Revenue from forests not managed by Government			6,05,951	0·9
	(f) Miscellaneous			40,20,501	6·5
			Total Revenue	6,19,64,731	—
Expenditure	A. Recurring	(a) Administration.	(i) Superior Staff	1,92,02,247	54·0
			(ii) Subordinate Staff (including Rangers, Foresters and Guards).		
			(iii) Office Establishments (including Contingencies).		
		(b) Working	(1) Extraction	84,51,697	23·8
			(2) Roads and Buildings	24,33,470	6·8
			(3) Fire protection	2,11,126	0·6
			(4) Cultural operations	10,18,214	2·8
			(5) Live-stock, stores and plant	10,94,263	0·3
			(6) Working-Plans	1,40,688	0·3
			(7) Rent for leased forests	5,50,638	1·5
			(8) Miscellaneous	12,27,607	3·4
		(c) Expenditure on realization of revenue from forests not managed by Government.		17,200	0·0
		(d) Forest Science and Education (including all "A" and "B" charges of Imperial Forest College and Research Institute).*		21,801	0·0
			Total	3,43,68,951	—
	B. Extraordinary	(e) Forest Settlement		21,211	0·0
		(f) Forest Survey		89,929	0·2
		(g) Forest Demarcation		1,19,723	0·3
		(h) Gain or loss by Exchange on English transactions, interest on capital outlay, etc.		9,32,985	2·6
			Total	11,63,848	—
			GRAND TOTAL OF EXPENDITURE	3,55,32,799	—
			Net Revenue	2,64,31,932	—

* Expenditure under this head in provinces has been included in (a) Administration.

STATEMENT XVIII.

SUMMARY OF REVENUE AND EXPENDITURE OF THE FOREST DEPARTMENT IN INDIA FOR THE FINANCIAL YEAR 1926-27.

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma. (Includes Federated Shan States and back ward tracts.)	Bihar and Orissa. (Includes Angul Division.)	Assam.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	...	4,47,654	8,09,039	27,38,022	67,55,049	25,609	3,85,420
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	25,49,890	47,14,665	6,33,988	1,58,99,413	8,80,213	23,05,137
III.—Drift and waif wood and confiscated forest produce.	...	16,282	8,648	32,776	4,06,924	499	22,293
IV.—Revenue from forests not managed by Government.	...	...	41,606	2,915	1,90,264	...	70,509
V.—Miscellaneous	...	1,10,015	2,97,345	5,00,030	3,42,410	37,431	3,50,114
TOTAL REVENUE .	...	31,23,841	58,71,303	39,07,731	2,35,94,060	9,43,752	31,33,473
EXPENDITURE.							
A.—CONSERVANCY AND WORKS.							
I.—Timber and other produce removed from the forests by Government agency.	...	2,27,679	4,76,885	12,10,186	16,14,885	7,234	2,53,946
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	1,73,924	1,20,013	4,006	2,26,890	30,281	39,907
III.—Drift and waif wood and confiscated forest produce.	...	1,736	3,802	10,742	81,283	47	858
IV.—Revenue from forests not managed by Government.	...	...	11,412	...	2,060	...	3,550
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	94	41,770	95,497	...	1,84,598	1,07,972
VI.—Live-stock, stores, tools and plant . .	...	42,444	1,02,588	14,892	3,17,557	78,741	21,315
VII.—Communications and buildings . .	...	2,96,947	3,40,421	61,037	7,96,503	1,09,979	1,94,335
VIII.—Demarcation, improvements and extension of forests.	...	1,86,852	3,80,750	81,463	3,97,990	44,228	11,386
IX.—Miscellaneous	...	14,169	14,249	1,06,269	5,22,946	13,204	24,022
Total A.—Conservancy and Works .	...	9,43,845	14,91,890	16 04,092	39,62,114	4,68,312	6,57,291
B.—ESTABLISHMENTS.							
Total B.—Establishments (includes salaries, travelling and other allowances and contingencies).	1,23,858	7,69,034	17,22,967	10,50,326	48,54,412	5,03,650	7,74,461
Total gain or loss by exchange on English transactions, interest on capital outlay, etc.	...	21,882	79,321	51,086	1,24,358	12,133	15,754
GRAND TOTAL OF EXPENDITURE .	1,23,858	17,34,761	32,94,178	27,05,504	89,40,884	9,84,095	14,47,506
SURPLUS .	...	13,89,080	25,77,125	12,02,227	1,46,53,176	...	16,85,967
DEFICIT .	1,23,858	...	...	...	...	40,343	...
Proportion of surplus to gross revenue . .	...	44	43	30	62	...	53
Net revenue per square mile of forest area under control of Forest Department.	...	132	404	180	99	...	81

MENT XVIII.

Forest Department in India for the financial year 1926-27.

Central Provinces.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Madras.	Bombay.	Total.
9	10	11	12	13	14	15	16	17	18
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs
13,51,132	3,85,326	7,48,881	19,845	6,313	11,62,942	...	18,09,842	28 60,953	1,95,05,677
35,83,745	46,930	22,475	37,495	9,887	4,365	...	30,77,856	42,93,734	3,80,59,793
1,561	...	600	...	5	...	...	12,737	12,079	5,14,404
35,299	...	2,752	...	8,699	...	...	2,16,533	37,374	6,05,951
3,49,639	25,889	16,808	9,594	3,038	3,556	2,74,025	5,06,732	4,52,280	32,78,906
53,21,376	4,58,145	7,91,166	66,934	27,942	11,70,863	2,74,025	56,23,700	76,56,420	6,19,64,731
4,24,863	52,317	4,36,987	14,703	2,000	7,36,386	...	6,32,294	12,16,624	73,06,989
2,48,087	...	...	962	...	674	...	1,47,286	53,263	10,45,293
168	...	35	...	...	...	...	410	333	99,414
...	...	...	...	178	...	...	...	...	17,200
17,681	...	24,160	19,992	...	...	...	521	58,353	5,50,638
44,595	26,713	5,418	1,253	131	2,45,132	61,629	82,998	48,856	10,94,262
1,98,888	15,015	36,891	10,733	374	23,310	6,946	1,71,259	1,68,834	24,33,472
2,68,110	21,134	7,981	3,385	1,024	39,023	2,089	1,16,374	1,19,950	16,81,739
49,200	7,515	5,639	419	494	20,469	1,93,315	25,294	21,874	10,38,578
12,51,592	1,22,694	5,17,111	51,447	4,201	10,64,994	2,63,979	11,76,436	16,87,587	1,52,67,585
22,39,403	1,57,347	1,37,699	28,281	28,221	1,55,103	6,32,587	38,02,733	23,52,147	1,93,32,229
1,57,696	4,729	...	...	...	...	...	1,46,244	3,19,782	9,32,985
36,48,691	2,84,770	6,54,810	79,728	32,422	12,20,097	8,96,566	51,25,413	43,59,516	3,55,32,799
16,72,685	1,73,375	1,36,356	...	...	...	...	4,98,287	32,96,904	2,72,85,182
...	...	...	12,794	4,460	49,234	6,22,541	...	...	8,53,250
31	38	17	...	...	...	...	8	43	...
85	334	554	...	...	...	...	25	220	...

STATE

Revenue of the Forest Department throughout India for the 28 financial years

(I) REVE

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	2,175	31,717	25,429	10,866	5,147	9,688	6,090
Bengal*	1,64,368	2,89,772	6,96,578	6,31,384	7,66,431	10,49,364	11,38,910
United Provinces	12,59,979	12,21,650	11,84,615	14,63,525	16,89,190	15,31,824	16,14,780
Punjab	6,87,423	7,05,568	7,87,338	9,11,950	9,00,417	11,89,510	14,00,770
Burma	8,94,298	14,29,175	19,88,356	25,01,318	49,78,654	66,15,542	78,12,050
Bihar and Orissa	...	...	...	...	...	...	...
Assam†	...	1,01,098	1,91,887	2,32,055	3,82,750	4,15,912	5,68,100
Central Provinces and Berar	7,41,879	9,79,936	12,81,992	14,11,163	16,98,505	13,75,958	12,97,490
Coorg	92,491	78,887	1,03,170	1 13,024	1,53,136	1,33,456	1,62,410
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	65	1,152	4,475	11,859	15,233	14,162	10,270
Baluchistan	...	...	8,556	10,973	17,998	15,330	17,060
Andamans	5,467	4,485	34,840	57,633	2,79,028	2,54,438	2,60,600
Imperial Forest College and Research Institute.	...	...	...	397	1,636	3,040	3,210
Forest Surveys (Imperial)	...	17	139	206	668	300	420
Madras	6,03,248	5,88,389	8,06,020	13,00,481	17,14,328	31,10,988	23,02,200
Bombay	11,77,673	12,28,561	18,93,818	30,11,314	33,54,893	30,46,244	24,15,200
GRAND TOTAL	56,30,061	66,60,397	88,17,213	1,16,68,148	1,59,49,014	1,77,15,756	1,90,09,610

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	7,666	8,189	10,632	8,662	10,680	12,837	11,471	12,047	23,457
Bengal*	11,97,650	11,84,845	10,80,640	11,67,444	11,22,442	16,00,601	15,16,111	13,04,496	11,45,610
United Provinces	24,09,745	21,75,406	23,01,164	23,78,439	30,16,160	35,43,963	37,12,487	31,35,235	37,38,831
Punjab	14,57,449	12,88,792	10,32,633	12,17,988	13,10,977	12,39,033	13,54,943	14,38,005	17,27,283
Burma	86,63,989	91,92,032	93,58,077	1,00,70,117	99,67,594	1,09,22,393	1,14,25,480	97,07,694	96,99,217
Bihar and Orissa	...	...	...	...	4,07,213	4,38,958	4,91,735	5,49,779	5,17,727
Assam†	14,30,447	14,46,368	15,54,732	18,90,635	11,46,320	11,42,091	10,97,969	8,32,877	10,55,052
Central Provinces and Berar	22,90,128	20,78,162	20,78,340	21,14,226	25,49,854	31,71,815	31,86,453	32,72,529	32,78,262
Coorg	2,74,756	2,24,330	2,13,129	2,76,056	2,95,170	2,81,652	3,29,227	1,99,237	4,49,155
North-West Frontier Province	2,38,490	1,22,782	1,73,305	2,05,342	1,58,171	2,37,183	2,66,741	2,38,013	1,86,815
Ajmer	29,864	27,615	23,990	33,846	26,361	36,596	33,897	31,170	23,445
Baluchistan	24,829	23,305	18,729	23,212	20,117	20,159	19,988	19,058	21,633
Andamans	2,19,622	2,02,018	2,59,477	4,16,773	5,22,160	4,49,925	4,45,811	3,39,248	4,34,784
Imperial Forest College and Research Institute.	6,137	4,680	4,909	4,080	5,550	7,611	5,806	8,617	6,995
Forest Surveys (Imperial)	...	...	...	...	...	...	...	...	...
Madras	38,93,830	38,90,919	41,78,381	38,80,411	41,68,921	41,12,473	42,00,320	39,41,537	41,06,638
Bombay	36,46,177	35,87,356	37,57,656	37,18,224	43,30,569	49,92,519	51,03,156	46,80,242	47,01,269
GRAND TOTAL	2,58,62,979	2,54,56,799	2,60,25,794	2,74,05,454	2,90,57,359	3,22,09,809	3,33,01,515	2,97,09,784	3,11,16,367

* Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
† Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX.

from 1899-1900 to 1926-27 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

NUE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
2,463	3,484	3,659	7,455	3,768	7,255	...	Imperial.
12,33,339	12,92,237	12,56,247	10,65,523	11,67,472	11,18,542	10,65,859	Bengal.*
15,65,463	17,15,508	20,25,324	20,80,446	23,97,318	24,33,428	25,02,664	United Provinces.
13,50,842	14,47,558	15,86,408	17,17,797	18,74,443	17,81,653	16,05,284	Punjab.
80,54,444	58,78,938	67,39,053	82,68,535	89,59,756	1,03,29,869	98,12,519	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
5,49,521	5,12,963	5,80,200	6,75,732	8,15,677	11,06,096	13,20,592	Assam.†
12,65,614	15,79,116	16,84,428	19,98,032	20,13,459	24,49,131	24,01,159	Central Provinces and Berar.
1,37,596	1,70,242	1,90,730	2,24,031	1,93,087	2,45,419	2,35,909	Coorg.
...	13,012	1,01,123	1,01,833	90,991	1,28,529	1,83,214	North-West Frontier Province.
10,646	6,865	9,736	13,884	17,297	15,002	18,335	Ajmer.
16,956	14,712	19,336	18,363	22,555	21,481	21,195	Baluchistan.
2,77,886	2,66,903	3,26,035	4,32,381	6,20,796	5,82,511	6,07,027	Andamans.
3,697	3,545	3,252	3,038	3,557	3,080	4,579	Imperial Forest College and Research Institute.
327	473	3,034	431	...	...	...	Forest Surveys (Imperial).
23,40,170	25,43,430	26,13,819	26,57,727	28,29,216	29,67,604	32,90,669	Madras.
29,61,529	23,79,729	23,29,156	27,51,539	30,20,558	38,84,993	34,22,481	Bombay.
1,97,70,493	1,78,23,715	1,94,71,540	2,22,16,747	2,40,29,950	2,66,74,593	2,64,91,486	Grand Total.

1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24	1924-25.	1925-26.	1926-27	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
24,546	51,720	27,488	24,527	27,122	27,803	26,553	29,551	30,100	...	...	Imperial.
13,38,779	13,76,969	19,44,104	20,51,237	21,84,763	18,98,959	23,11,226	22,61,515	24,75,529	28,56,420	31,23,841	Bengal.*
50,40,932	61,16,697	66,37,166	74,71,954	87,79,781	86,46,677	83,72,803	73,56,029	69,21,987	64,26,281	58,71,303	United Provinces.
16,87,801	21,17,776	21,54,178	38,45,878	38,05,058	49,91,178	34,44,443	43,86,533	37,27,312	41,12,076	39,07,731	Punjab.
						(a)	(a)	(a)	(a)	(a)	
1,23,79,531	1,23,61,499	1,25,28,852	1,64,35,262	1,89,75,060	2,21,16,787	1,89,43,952	1,94,92,399	1,96,77,824	2,23,46,518	2,35,94,060	Burma.
5,29,081	7,53,625	9,44,763	8,17,458	8,10,602	90,00,373	8,81,904	10,29,085	10,70,268	10,28,592	9,43,752	Bihar and Orissa.
11,48,621	13,09,956	14,92,718	14,81,590	15,31,944	12,97,027	17,13,853	19,74,292	24,78,756	30,39,140	31,33,473	Assam.†
33,71,578	34,66,493	34,88,422	45,46,723	43,94,526	41,33,693	47,06,979	51,04,929	52,32,632	49,87,409	53,21,376	Central Provinces and Berar.
4,87,314	4,58,673	6,77,873	9,48,028	4,27,351	7,33,731	9,42,653	7,00,947	6,68,030	5,38,518	4,58,145	Coorg.
2,40,985	3,37,711	3,81,322	4,62,541	2,19,779	5,74,853	7,27,659	5,33,332	6,69,767	7,44,207	7,91,166	North-West Frontier Province.
21,272	27,733	37,280	34,914	48,112	40,812	43,978	55,422	66,062	72,759	66,934	Ajmer.
15,277	17,934	25,108	17,937	22,544	17,229	14,939	22,403	20,593	23,621	27,942	Baluchistan.
6,49,711	7,93,656	11,84,383	8,00,795	6,24,374	5,50,098	5,88,027	6,11,382	7,25,597	8,91,029	11,70,863	Andamans.
8,199	8,304	9,083	8,308	12,648	24,117	1,84,763	1,67,339	1,02,579	1,05,697	2,74,025	Imperial Forest College and Research Institute.
...	...	...	...	...	...	...	...	...	...	...	Forest Surveys (Imperial).
45,96,126	54,58,489	47,91,460	62,34,149	53,81,246	48,69,171	52,72,956	54,15,557	55,69,682	51,70,520	56,23,700	Madras.
55,19,177	63,12,022	1,04,94,031	84,94,488	68,98,585	74,98,563	70,37,384	71,49,604	73,07,964	75,28,038	76,56,420	Bombay.
3,70,61,980	4,09,69,257	4,68,18,231	5,36,75,739	5,41,43,495	5,83,16,071	5,52,14,072	5,62,90,319	5,67,44,682	5,98,70,825	6,19,64,731	Grand Total.

Orissa.
to Bengal.

STATE

Expenditure of the Forest Department throughout India for the 28 financial years

(II) EXPEN

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	63,685	67,102	80,454	87,135	84,125	82,816	96,550
Bengal†	1,11,084	2,12,024	3,55,147	3,94,347	4,04,147	5,38,652	5,45,210
United Provinces	9,63,005	8,39,709	8,38,658	9,17,898	9,46,423	9,35,078	9,42,380
Punjab	8,29,326	5,57,148	5,41,242	6,44,372	6,46,374	7,50,224	12,11,460
Burma	4,02,847	8,12,279	10,12,512	13,22,424	16,72,383	21,20,642	24,47,440
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	88,293	1,62,460	2,11,655	2,68,159	2,86,870	3,57,140
Central Provinces and Berar	3,99,072	4,33,734	6,13,539	7,37,805	10,10,657	11,78,660	12,75,820
Coorg	40,684	36,591	62,248	73,907	77,016	82,146	74,220
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	6,197	18,692	13,197	17,620	14,061	16,722	15,350
Baluchistan	...	...	12,594	16,130	39,452	33,508	28,680
Andamans	739	481	5,129	41,108	1,76,139	1,85,428	1,40,940
Imperial Forest College and Research Institute.	...	...	...	28,746	45,023	65,120	73,550
Forest Surveys (Imperial)	11,911	63,288	40,447	24,477	24,491	31,936	33,980
Madras	4,56,834	5,76,976	6,20,660	10,67,521	12,85,113	15,06,756	16,53,530
Bombay	6,48,046	8,70,487	12,51,292	18,41,812	19,09,789	19,81,582	21,28,430
GRAND TOTAL	39,33,430	45,76,804	56,09,579	74,26,956	86,03,352	97,96,140	1,10,24,680

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	1,00,204	1,04,183	1,04,332	92,606	94,714	1,04,162	99,296	99,478	1,09,502
Bengal†	7,13,394	5,83,981	5,91,099	6,43,285	7,06,374	6,60,794	6,40,157	6,70,935	5,93,635
United Provinces	11,94,013	12,22,436	12,09,308	12,37,936	13,63,673	16,29,264	18,96,014	23,17,740	25,66,307
Punjab	11,76,696	8,51,627	6,67,752	7,40,542	7,65,146	7,99,176	9,19,177	8,89,302	9,23,878
Burma	35,51,532	37,17,247	36,83,618	38,42,799	41,31,162	41,38,584	42,74,901	46,80,447	48,86,241
Bihar and Orissa	...	...	...	...	3,00,916	3,75,894	3,55,648	3,84,371	3,61,550
Assam‡	8,00,373	8,91,349	10,12,541	10,87,340	8,41,013	8,08,911	9,10,240	8,98,339	7,55,214
Central Provinces and Berar	15,83,407	17,53,307	15,86,852	15,89,533	18,38,379	19,46,735	19,53,129	19,36,569	17,34,336
Coorg	1,04,819	99,595	1,07,822	1,07,679	1,21,174	1,61,544	1,78,514	1,75,883	1,76,633
North-West Frontier Province	88,400	81,413	77,391	72,492	89,436	1,22,173	1,31,023	1,25,539	1,04,795
Ajmer	18,188	19,916	19,272	19,918	22,343	29,714	23,595	21,733	25,152
Baluchistan	31,258	36,586	26,549	26,387	28,947	28,527	25,310	26,000	27,995
Andamans	2,29,267	1,80,941	1,94,159	2,26,963	2,61,732	2,55,141	2,74,676	2,58,056	4,30,832
Imperial Forest College and Research Institute.	1,58,038	1,83,191	1,96,174	2,19,183	2,63,441	2,68,445	2,98,338	3,31,091	2,78,518
Forest Surveys (Imperial)	27,060	39,128	41,062	41,140	38,798	35,809	37,743	42,353	48,663
Madras	27,80,857	29,17,261	33,39,635	32,25,801	34,14,882	31,50,482	29,35,817	28,60,685	29,27,318
Bombay	19,55,427	20,43,873	20,63,088	20,70,417	26,64 436	26,94,455	25,89,877	24,87,925	26,42,038
GRAND TOTAL	1,45,12,933	1,47,26,034	1,49,20,654	1,52,44,023	1,69,46,566	1,72,07,810	1,75,43,455	1,82,06,450	1,85,92,607

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX—*contd.*

from 1899-1900 to 1926-27 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

DITURE.

1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
83,578	79,539	85,017	89,345	83,058	83,767	95,472	Imperial.*
5,70,806	6,57,131	6,38,014	7,03,508	6,88,589	5,93,509	6,33,386	Bengal.†
9,63,439	10,08,739	10,13,998	10,81,438	13,91,583	14,05,182	13,06,651	United Provinces.
8,87,343	9,38,335	9,60,095	11,56,415	10,12,354	12,65,664	11,44,403	Punjab.
26,54,717	26,46,457	28,90,263	33,52,404	34,46,924	39,38,063	36,59,753	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
3,47,972	3,29,112	3,27,498	4,25,484	5,03,656	5,93,910	7,07,860	Assam.‡
11,65,866	12,00,904	12,57,288	12,80,966	13,20,615	13,07,153	13,42,898	Central Provinces and Berar.
70,905	82,333	89,457	92,191	83,820	95,748	1,02,855	Coorg.
...	19,510	54,086	60,603	74,958	95,258	92,650	North-West Frontier Province.
16,782	15,927	16,377	16,680	15,641	17,131	16,715	Ajmer.
29,254	24,480	23,240	21,697	24,672	25,743	26,322	Baluchistan.
1,40,137	2,04,667	2,81,702	2,66,121	3,42,431	3,35,985	2,95,136	Andamans.
71,238	76,290	66,338	59,339	61,424	80,669	1,37,486	Imperial Forest College and Research Institute.
33,991	33,730	33,985	33,935	28,229	30,044	30,389	Forest Surveys (Imperial).
17,15,431	17,09,554	18,35,552	17,50,930	19,86,098	22,26,602	24,80,660	Madras.
24,08,581	17,19,680	16,76,441	17,75,937	19,03,804	21,26,093	19,90,183	Bombay.
1,11,60,040	1,07,46,388	1,12,49,331	1,21,66,993	1,29,67,856	1,42,20,521	1,40,62,819	Grand Total.

1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.	1926-27.	Province.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1,03,248	90,332	1,10,638	1,32,777	1,68,993	2,57,011	4,33,494	1,44,489	1,68,595	1,18,903	1,23,858	Imperial.*
6,19,649	7,38,712	8,25,835	9,72,307	13,36,750	12,88,122	12,31,249	12,42,672	14,17,471	12,60,968	17,34,761	Bengal.†
27,35,915	32,04,928	45,98,963	61,55,475	70,43,578	74,04,688	61,58,486	43,50,695	36,84,005	36,95,346	32,94,178	United Provinces.
9,34,662	11,58,048	17,95,804	24,16,120	35,75,749	43,76,076	49,06,871	29,16,035	26,14,488	27,01,510	27,05,504	Punjab.
49,36,588	54,87,179	56,91,982	65,38,200	73,07,014	90,83,094	(a) 99,72,149	(a) 1,03,02,159	(a) 96,28,313	(a) 86,87,943	(a) 89,40,884	Burma.
4,47,972	3,90,716	4,30,849	5,06,800	5,89,118	9,94,665	7,17,531	7,50,657	7,90,397	6,65,624	9,84,095	Bihar and Orissa.
6,76,033	6,86,627	6,90,961	8,21,717	9,66,601	9,91,511	11,14,634	11,59,845	13,30,853	15,67,983	14,47,506	Assam.‡
17,68,775	18,72,124	20,15,548	23,76,230	27,33,601	27,15,821	30,34,417	30,41,108	31,71,863	33,45,729	36,48,691	Central Provinces and Berar.
1,60,492	1,99,941	4,25,572	5,07,547	4,66,758	6,30,645	5,86,007	5,65,598	3,58,751	3,05,395	2,84,770	Coorg.
1,18,070	1,53,875	2,07,357	3,01,453	4,54,197	7,49,384	6,12,383	4,58,567	5,88,713	5,47,321	6,54,810	North-West Frontier Province.
26,634	26,504	28,508	47,282	37,417	41,320	39,840	49,454	49,125	55,161	79,728	Ajmer.
26,929	29,990	28,787	25,314	28,761	53,275	36,468	31,440	30,478	31,358	32,422	Baluchistan.
4,28,652	3,97,724	6,12,826	9,71,491	13,27,930	12,87,027	8,05,184	8,96,214	11,53,690	11,35,063	12,20,097	Andamans.
3,05,498	2,89,694	2,98,048	3,18,503	4,57,484	7,32,824	7,39,586	7,75,642	8,26,365	8,14,033	8,96,566	Imperial Forest College and Research Institute.
47,407	56,597	59,110	59,953	90,448	1,07,113	1,19,935	95,944	...	...	...	Forest Surveys (Imperial).
28,42,678	30,20,349	31,82,520	36,93,348	45,30,486	51,15,356	47,89,463	46,33,826	50,72,459	48,23,239	51,25,413	Madras.
25,64,681	33,53,714	78,72,197	59,18,682	53,05,022	50,23,946	40,14,344	44,01,024	43,82,317	42,07,626	43,59,516	Bombay.
1,87,43,883	2,11,57,063	2,88,75,505	3,17,63,199	3,64,19,907	4,08,51,878	3,93,12,041	3,58,15,369	3,52,67,883	3,39,63,202	3,55,32,799	Grand Total.

Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore.....Excludes Home charges.
Orissa.
to Bengal.

STATE

Surplus of the Forest Department throughout India for the 28 financial years

(III) SUR

Province.	Average of 1869-70 to 1873-74.	Average of 1874-75 to 1878-79.	Average of 1879-80 to 1883-84.	Average of 1884-85 to 1888-89.	Average of 1889-90 to 1893-94.	Average of 1894-95 to 1898-99.	1899-1900.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—61,510	—35,385	—55,025	—76,269	—78,978	—73,128	—90,460
Bengal†	53,284	77,748	2,51,431	2,37,037	3,62,284	5,10,712	5,93,700
United Provinces	2,93,974	3,81,941	2,95,9[illegible]7	5,45,627	7,42,767	5,96,746	6,72,360
Punjab	1,41,903	1,48,410	1,96,096	2,67,578	2,54,043	3,89,286	1,89,310
Burma	4,91,451	6,16,896	9,75,814	11,78,894	33,06,271	44,94,900	53,64,610
Bihar and Orissa	...	...	...	...	...	...	...
Assam‡	...	12,805	29,427	20,400	1,14,591	1,29,042	2,10,960
Central Provinces and Berar	3,42,807	5,46,202	6,68,453	6,73,358	6,78,848	1,97,298	21,670
Coorg	52,807	42,296	40,922	39,117	76,120	51,310	88,190
North-West Frontier Province	...	...	...	...	...	...	...
Ajmer	—6,132	—17,540	—8,722	—5,761	1,172	—2,560	—5,080
Baluchistan	...	...	—4,038	5,157	—21,454	—18,178	—11,620
Andamans	4,728	4,004	29,711	16,525	1,02,889	69,010	1,19,660
Imperial Forest College and Research Institute.	...	...	...	—28,349	—43,387	—62,080	—70,340
Forest Surveys (Imperial)	—11,911	—63,271	—40,308	—24,271	—23,823	—31,636	—33,560
Madras	1,46,409	11,413	1,55,360	2,32,960	4,29,215	6,04,232	6,48,760
Bombay	5,29,627	3,58,074	6,42,526	11,69,502	14,45,104	10,64,662	2,86,770
Grand Total	16,96,631	20,83,593	32,07,634	42,41,192	73,45,662	79,19,616	79,84,930

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	1914-15.	1915-16.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	—92,538	—95,994	—93,700	—83,944	—84,034	—91,325	—87,825	—87,431	—86,045
Bengal†	4,84,256	6,00,864	4,89,541	5,24,159	4,16,068	19,39,807	9,75,954	6,33,561	5,51,975
United Provinces	12,15,732	9,52,970	10,91,586	11,40,501	16,52,487	19,14,699	18,16,473	8,17,495	11,72,524
Punjab	2,80,753	4,37,165	3,64,881	4,77,446	5,44,931	4,39,857	4,35,766	5,48,703	8,03,405
Burma	51,12,457	54,74,785	56,74,459	62,27,318	58,36,432	67,83,809	71,50,529	50,27,247	48,12,976
Bihar and Orissa	...	...	...	...	1,06,297	63,064	1,36,087	1,65,408	1,56,177
Assam‡	6,30,074	5,55,019	5,22,191	8,63,295	3,05,307	3,33,180	1,87,729	—65,462	2,99,838
Central Provinces and Berar	7,06,721	3,24,855	4,91,488	5,24,693	7,11,475	12,25,080	12,33,324	13,35,960	15,43,926
Coorg	1,69,937	1,24,735	1,05,307	1,68,376	1,73,996	1,20,108	1,50,713	23,404	2,72,522
North-West Frontier Province	1,50,090	41,369	95,914	1,32,850	68,735	1,15,010	1,35,718	1,12,420	82,020
Ajmer	11,676	7,699	4,718	13,928	4,018	6,882	10,302	9,437	—1,707
Baluchistan	—6,429	—13,281	—7,820	—3,175	—8,830	—8,368	—5,322	—6,942	—6,362
Andamans	62,555	21,077	65,318	1,89,810	2,60,428	1,94,784	1,71,135	81,192	3,952
Imperial Forest College and Research Institute.	—1,51,901	—1,78,511	—1,91,265	—2,15,103	—2,57,891	—2,60,834	—2,92,532	—3,22,474	—2,71,523
Forest Surveys (Imperial)	—27,060	—39,128	—41,062	—41,140	—38,798	—35,809	—37,743	—42,353	—48,663
Madras	11,12,973	9,73,658	8,38,746	6,54,610	7,54,039	9,61,991	12,64,503	10,60,852	11,79,520
Bombay	16,90,750	15,43,483	16,94,568	16,47,807	16,66,133	23,00,064	25,13,279	21,92,317	20,59,225
Grand Total	1,13,50,046	1,07,30,765	1,11,05,140	1,21,61,431	1,21,10,793	1,50,01,999	1,57,58,090	1,15,03,334	1,25,23,760

*Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests'
†Includes figures up to 1910-11 for districts subsequently transferred to Bihar and
‡Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred
(a) Includes Federated Shan States.

MENT XIX—*concld.*

from 1899-1900 to 1926-27 and the average of 6 quinquennial periods from 1869-70 to 1898-99.

PLUS.

1900-01.	1901-02.	1902-03	1903-04.	1904-05.	1905-06.	1906-07.	PROVINCE.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—81,115	—76,055	—81,358	—81,890	—79,290	—76,512	—95,472	Imperial.*
6,62,533	6,35,106	6,18,233	3,62,015	4,78,883	5,25,033	4,32,473	Bengal.†
6,02,024	7,06,769	10,11,326	11,99,008	10,05,735	10,28,246	11,96,013	United Provinces.
4,63,499	5,09,423	6,26,313	5,61,382	8,62,089	5,17,989	4,60,881	Punjab.
53,99,727	32,27,481	38,48,790	49,16,131	55,12,832	63,91,806	61,52,766	Burma.
...	...	...	...	...	...	...	Bihar and Orissa.
2,01,549	1,83,851	2,52,701	2,50,248	3,12,021	5,12,186	6,12,732	Assam.‡
99,748	3,78,212	4,27,140	7,17,066	6,92,844	11,41,978	10,58,281	Central Provinces and Berar.
66,691	87,909	1,01,293	1,31,840	1,09,267	1,49,671	1,33,054	Coorg.
...	6,498	47,038	41,230	16,033	33,271	89,564	North-West Frontier Province.
—6,136	—9,062	—6,641	2,796	1,656	—2,129	1,620	Ajmer.
—12,298	—9,768	—3,904	3,334	—2,117	—4,262	—5,127	Baluchistan.
1,37,749	62,236	44,333	1,61,260	2,78,365	2,46,526	3,11,891	Andamans.
—67,541	—72,745	—63,086	—56,301	—57,867	—77,589	—1,32,907	Imperial Forest College and Research Institute.
—33,664	—33,257	—30,951	—33,504	—28,229	—30,044	—30,389	Forest Surveys (Imperial).
6,24,789	8,33,876	7,78,267	9,06,797	8,43,118	7,01,002	8,10,009	Madras.
5,52,948	6,60,040	6,52,715	9,75,602	11,16,954	13,58,900	14,32,298	Bombay.
86,10,453	70,77,327	82,22,209	1,00,49,754	1,10,62,094	1,24,16,072	1,24,27,687	GRAND TOTAL.

1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925-26.	1926-27.	PROVINCE.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
—78,702	—38,612	—83,150	—1,08,250	—1,41,871	—2,29,208	—4,06,941	—1,14,938	—1,38,495	—1,18,903	—1,23,858	Imperial.*
7,19,130	6,38,257	11,18,269	10,78,930	8,48,013	6,10,837	10,79,977	10,18,843	10,58,058	15,95,452	13,89,080	Bengal.†
23,05,017	29,11,769	20,38,203	13,16,479	17,36,203	12,41,989	22,14,317	30,05,334	32,37,982	27,30,935	10,05,914	United Provinces.
7,53,139	9,59,728	3,58,374	14,29,758	2,29,309	6,15,102	—14,62,428	14,70,498	11,12,824	14,10,566	12,02,227	Punjab.
74,42,943	68,74,320	68,36,870	98,97,062	1,16,68,046	1,30,33,693	89,71,803 (a)	91,90,240 (a)	1,00,49,511 (a)	1,36,58,575 (a)	1,46,53,176 (a)	Burma.
81,169	3,62,909	5,13,914	3,10,658	2,21,484	—94,292	1,64,973	2,78,428	2,79,871	3,62,968	—40,343	Bihar and Orissa.
4,72,588	6,23,329	8,01,757	6,59,873	5,65,343	3,05,616	5,99,219	8,14,447	11,47,903	14,71,157	16,85,967	Assam.‡
16,02,803	15,94,369	14,72,874	21,70,493	16,60,925	14,17,872	16,72,562	20,63,821	20,60,769	16,41,680	16,72,685	Central Provinces and Berar.
3,26,822	2,58,732	2,52,301	4,40,481	—39,407	1,03,086	3,56,646	1,35,349	3,09,279	2,83,123	1,73,375	Coorg.
1,22,915	1,83,836	1,78,965	1,61,088	—2,34,418	—1,74,531	1,15,276	74,765	81,054	1,96,886	1,36,356	North-West Frontier Province.
—5,362	1,229	8,772	—12,368	10,695	—508	4,138	5,968	16,937	17,593	—12,794	Ajmer.
—8,652	—12,065	—3,679	—7,377	—6,217	—36,046	—21,529	—9,037	—9,885	—7,737	—4,480	Baluchistan.
2,21,059	3,95,932	5,71,557	—1,70,696	—7,03,556	—7,56,929	—2,17,157	—2,84,882	—4,28,093	—2,44,034	—49,234	Andamans.
—2,97,299	—2,81,393	—2,88,965	—3,10,195	—4,44,836	—7,08,707	—5,54,823	—6,08,303	—7,23,786	—7,08,336	—6,22,541	Imperial Forest College and Research Institute.
—47,407	—56,597	—59,110	—59,953	—90,448	—1,07,113	—1,19,935	—95,944	...	...	...	Forest Surveys (Imperial).
17,53,448	24,38,140	16,08,940	25,40,801	8,50,760	—2,46,185	4,83,493	7,81,731	4,97,223	3,47,281	4,98,287	Madras.
29,54,496	29,58,308	26,21,834	25,75,756	15,93,563	24,69,617	30,23,040	27,48,580	29,25,647	33,20,412	32,96,904	Bombay.
1,83,18,047	1,98,12,194	1,79,42,726	2,19,12,540	1,77,23,588	1,74,64,193	1,59,02,031	2,04,74,950	2,14,76,799	2,59,07,623	2,64,31,932	GRAND TOTAL.

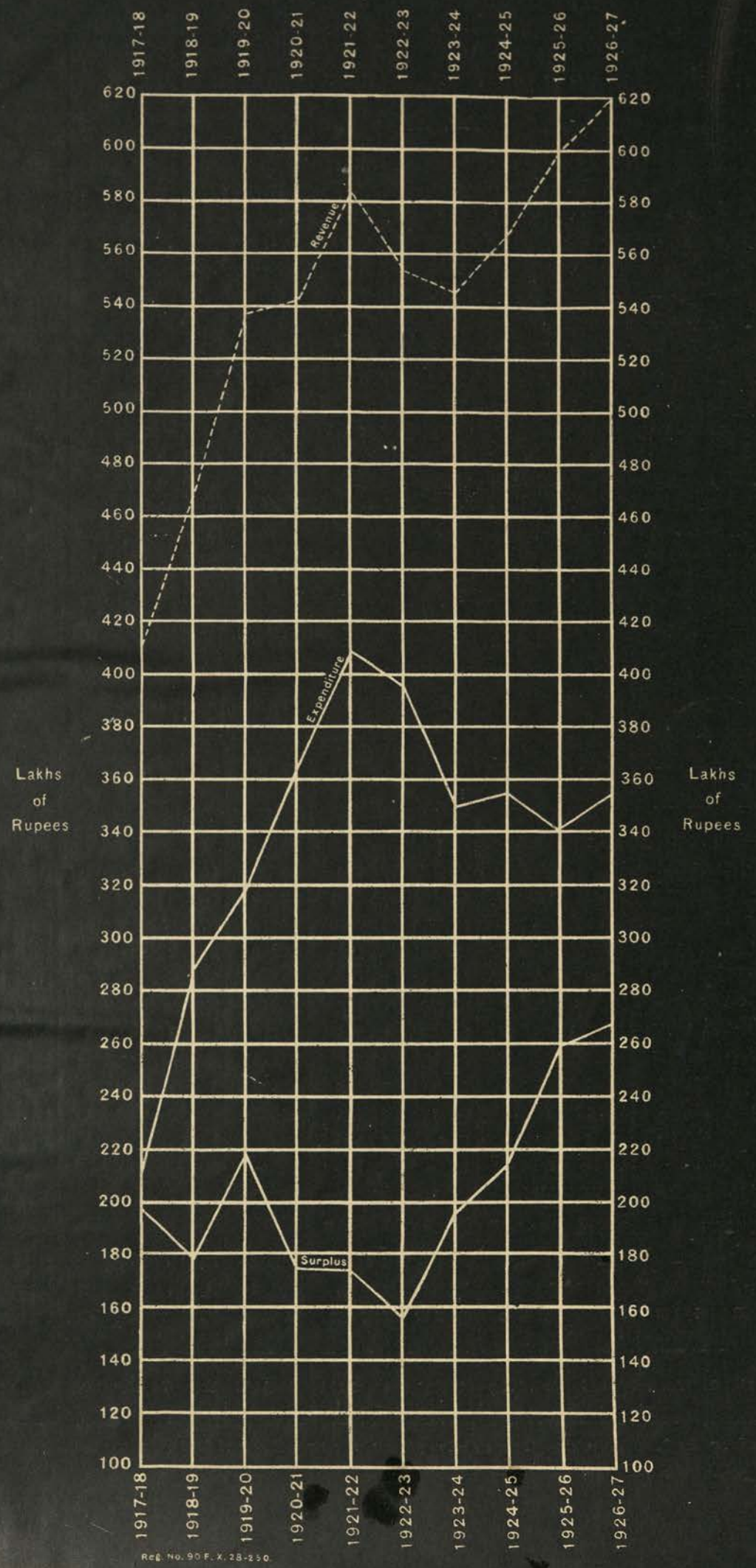
Office Establishment, and undistributable and petty local items and revenues and charges, on Indore and Bangalore.....Excludes Home charges.
Orissa.
to Bengal.

MGIPC—S5—III-2-23—6-10-28—240.

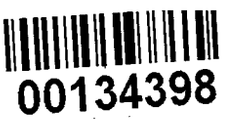
DIAGRAM SHOWING

ANNUAL FOREST REVENUE, EXPENDITURE & SURPLUS.

FOR THE 10 YEARS 1917-18 TO 1926-27.



Reg. No. 90 F. X. 28-250.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